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ABSTRACT

This document features detailed statistical tables of Federal Funds for Research and Development for the fiscal years of 1999, 2000, and 2001. The data in this report were derived from the Survey of Federal Funds for Research and Development. Contents include: (1) "Technical Notes"; (2) "Federally Funded Research and Development Centers"; (3) "Detailed Statistical Tables"; (4) "Appendix A: Agencies Included in This Survey, Volumes 30-49"; and (5) "Appendix B: Notes Associated with Agencies Included in the Survey of Federal Funds for Research and Development, Volumes 30-49." (YDS)

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ED 455 135

Federal Funds for Research and Development:

Fiscal Years 1999, 2000, and 2001

Volume 49

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Detailed Statistical Tables

Division of Science Resources Studies
Directorate for Social, Behavioral, and Economic Sciences
National Science Foundation

June 2001

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Federal Funds for Research and Development:

Fiscal Years 1999, 2000, and 2001

Volume 49

Detailed Statistical Tables

Ronald L. Meeks, Project Officer

Division of Science Resources Studies
Directorate for Social, Behavioral, and Economic Sciences

National Science Foundation June 2001

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GENERAL NOTES

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development and cover fiscal years 1999–2001. They reflect research and development (R&D) funding levels as reported by 30 Federal agencies in February through November 2000. All agencies that were identified as conducting R&D programs were surveyed.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and Federal R&D funding by State. Obligations for research performance at universities and colleges by fields of science or engineering are also shown, as are R&D plant data.

The amounts reported for each year are expressed in obligations or outlays incurred, or expected to be incurred, in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

Data for 1999 are actual, representing completed transactions. Data for 2000 and 2001 are estimated because they do not represent final actions. The Survey of Federal Funds for Research and Development was conducted during the third quarter of fiscal year 2000. The amounts reported for 2000 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 2001 represent administration budget proposals that had not been acted on. Authorization, appropriation, deferral, and apportionment actions that were completed after these data were collected will be reflected in later surveys of this series.

Accuracy of the data depends in part on the judgment of the respondent. Since many agency R&D programs are not identified as budget-line items, agency officials must identify R&D and R&D plant activities within broader programs. Over the years personnel of the participating agencies have developed increasing skill and consistency in meeting the survey requirements, and their interaction with the National Science Foundation staff has considerably increased the reliability of the data.

Inquiries relating to *Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001*, Volume 49, should be directed to—

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Note

For trend comparison, use only the historical data for fiscal years 1979–2001 contained in tables C-92 through C-111a in this Federal funds, Volume 49 series. These tables incorporate changes in prior-year data made by the agencies to reflect program reclassifications. Do not use data published earlier.

SECTION A.

TECHNICAL NOTES

SECTION A. TECHNICAL NOTES

SCOPE AND METHOD

During the period February through November 2000, a total of 30 Federal agencies and their subdivisions—90 individual respondents—submitted data in response to the National Science Foundation's (NSF's) annual Survey of Federal Funds for Research and Development (Federal funds survey), which was distributed in February 2000. The agencies reported their data as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for research and development (R&D) activities.

Only those agencies that had obligations in the variables represented by a particular table appear in that table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with these agencies, refer to appendix B.

DEFINITIONS

The definitions are essentially unchanged from those used in past Federal funds surveys.

1. An **agency** is an organization of the Federal Government whose principal executive officer reports to the President. The Library of Congress is also included in the survey, even though its chief officer reports to Congress. **Subdivision** refers to any organizational unit of a reporting agency, such as a bureau, division, office, or service.

2. **Obligations** and **outlays** reported are consistent with figures shown for fiscal years 1999, 2000, and 2001 appearing in *The Budget of the United States Government, Fiscal Year 2001*. The R&D data in both agency submissions were based on the same definitions and are reconcilable.

   Obligations represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

   Outlays represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated. Obligations and outlays cover all transactions that occurred in fiscal year 1999 and those estimated for fiscal years 2000 and 2001.

   The data include all Federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, special account receipts, corporate income, or other sources, including funds appropriated to the President.

   The amounts shown for each year reflect obligations or outlays for that year regardless of when the funds were originally authorized or received and regardless of whether they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

   In reporting its obligations or outlays, **each agency includes the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them.** Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

   Obligations and outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

   Funds reported for research and development reflect full cost coverage. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

3. The **fiscal year** in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the following year; thus, fiscal year 1999 began on October 1, 1998, and ended September 30, 1999.

4. **Research, development, and R&D plant** include all direct, incidental, or related costs resulting from, or necessary to, performance of R&D and costs of R&D plant, defined as follows, regardless of whether the R&D is performed by a Federal agency (intramurally) or by private individuals and organizations under grant or contract (extramurally). R&D excludes routine product testing, quality control, mapping and surveys, collection of general purpose statistics, experimental production, and the training of scientific personnel.

   a. **Research** is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

      In **basic research** the objective of the sponsoring agency is to gain more complete knowledge or understanding of the fundamental aspects of phenomena and of observable facts, without specific applications toward processes or products in mind.

      In **applied research** the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized need may be met.

   b. **Development** is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

      To better differentiate between that part of the Federal R&D budget, which supports "science and key enabling technologies" (including for military and nondefense applications) and that which primarily concerns "testing and evaluation" (of mostly defense-related systems), NSF now collects from DoD development dollars in two categories, advanced technology development and major systems development.

      Within DoD's research categories, advanced technology development is classified as 6.3A. Major systems development is classified as 6.3B through 6.7 and includes demonstration and validation, engineering and manufacturing development, management and support, and operational system development.

   c. **Demonstration activities** that are part of R&D (i.e., that are intended to prove or to test whether a technology or method does in fact work) are included. Demonstrations intended primarily to make information available about new technologies or methods are excluded.

   d. **R&D plant** (R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of predesign studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under "total conduct of research and development." Obligations for foreign R&D plant are limited to Federal funds for facilities that are located abroad and used in support of foreign research and development.

5. **Fields of science and engineering** in this survey consist of eight broad field categories, each consisting of a number of detailed fields. The broad fields are life sciences; psychology; physical sciences; environmental sciences; mathematics and computer sciences; engineering; social sciences; and other sciences, not elsewhere classified. The term "not elsewhere classified" (n.e.c.) is used for multidisciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned. The following list presents the detailed fields grouped under each of the broad fields, together with illustrative disciplines of detailed fields.

The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological, agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double-counting is intended or allowed.

a. **Life sciences** consist of five detailed fields: biological (excluding environmental); environmental biology; agricultural; medical; and life sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

   Biological (excluding environmental): anatomy; biochemistry; biology; biometry and biostatistics; biophysics; botany; cell biology; entomology and parasitology; genetics; microbiology; neuroscience (biological); nutrition; physiology; zoology; other biological, n.e.c.

   Environmental biology: ecosystem sciences; evolutionary biology; limnology; physiological ecology; population and biotic community ecology; population biology; systematics; other environmental biology, n.e.c.

   Agricultural: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; phytopathology; phytoproduction; plant sciences; soils and soil science; general agriculture; other agriculture, n.e.c.

   Medical: dentistry; internal medicine; neurology; obstetrics and gynecology; ophthalmology; otolaryngology; pathology; pediatrics; pharmacology; pharmacy; preventive medicine; psychiatry; radiology; surgery; veterinary medicine; other medical, n.e.c.

   Life sciences, n.e.c.

b. **Psychology** deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects; social aspects; and psychological sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

   Biological aspects: animal behavior; clinical psychology; comparative psychology; ethology; experimental psychology

   Social aspects: development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology

   Psychological sciences, n.e.c.

c. **Physical sciences** are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy; chemistry; physics; and physical sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

   Astronomy: laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, and neutrino astronomy

   Chemistry: inorganic; organic; organometallic; physical

   Physics: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma

   Physical sciences, n.e.c.

d. **Environmental sciences** (terrestrial and extraterrestrial) are, with one exception, concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. The one exception is that obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprise the fields of atmospheric sciences; geological sciences; oceanography; and environmental sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Atmospheric sciences: aeronomy; extraterrestrial atmospheres; meteorology; solar; weather modification

Geological sciences: engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; laboratory geophysics; organic geochemistry; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences

Oceanography: biological oceanography; chemical oceanography; marine geophysics; physical oceanography

Environmental sciences, n.e.c.

e. **Mathematics and computer sciences** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation employing such symbols and, in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under these fields are as follows:

Mathematics: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology

Computer sciences: computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis

Mathematics and computer sciences, n.e.c.

f. **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific principles usable in engineering practice. Engineering in this survey is divided into eight fields: aeronautical; astronautical; chemical; civil; electrical; mechanical; metallurgy and materials; and engineering, n.e.c. Examples of disciplines under each of these fields are as follows:

Aeronautical: aerodynamics

Astronautical: aerospace; space technology

Chemical: petroleum; petroleum refining; process

Civil: architectural; hydraulic; hydrologic; marine; sanitary and environmental; structural; transportation

Electrical: communication; electronic; power

Mechanical: engineering mechanics

Metallurgy and materials: ceramic; mining; textile; welding

Engineering, n.e.c.: agricultural; bioengineering; biomedical; industrial and management; nuclear; ocean; systems

g. **Social sciences** are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology; economics; political science; sociology; and social sciences, n.e.c. Examples of disciplines under the fields of social science are as follows:

Anthropology: applied anthropology; archaeology; cultural and personality; social and ethnology

Economics: economic systems and development; econometrics and economic statistics; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy; theory

Political science: area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration

Sociology: comparative and historical; complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory

Social sciences, n.e.c.: linguistics; research in education; research in history; research in law (e.g., attempts to assess impact on society of legal systems and practices); socioeconomic geography

h. **Other sciences, n.e.c.:** This category is used for multidisciplinary or interdisciplinary projects that cannot be classified within one of the broad fields of science already listed.

6. A **performer** is either an intramural group or organization carrying out an operational function or an extramural organization or person receiving support or providing services under a contract or grant.

   a. **Intramural performers** are the agencies of the Federal Government. Their work is carried on directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself or represent funds that the agency transfers to another Federal agency for performance of work **as long as the ultimate performer is that agency or any Federal agency.** If the ultimate performer is not a Federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or industrial firms).

   NOTE: Intramural activities cover not only the actual intramural R&D performance, but also the costs associated with the planning and administration of both intramural and extramural programs by Federal personnel. Intramural activities also include the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural R&D. For example, the purchase from an extramural source of an operational launch vehicle (i.e., one that has gone beyond the development or prototype stage) that is used for intramural performance of R&D is reported as a part of the cost of intramural R&D.

   b. **Extramural performers** are organizations outside the Federal sector that perform R&D with Federal funds under contract, grant, or cooperative agreement. Only those costs associated with actual R&D performance are reported, but these costs would include costs of materials and supplies to carry out R&D activities. Note, however, that the costs of off-the-shelf supplies and equipment required to support intramural R&D and procured from extramural suppliers are considered as part of the costs of intramural performance and not as part of the costs of extramural performance. Extramural performers are identified as follows:

   i. **Industrial firms:** Organizations that may legally distribute net earnings to individuals or to other organizations.

   ii. **Universities and colleges:** Institutions of higher education in the United States that offer at least 1 year of college-level study leading toward a degree. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.

   iii. **Other nonprofit institutions:** Private organizations other than educational institutions whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.

   iv. **Federally funded research and development centers (FFRDCs):** R&D-performing organizations that are exclusively or substantially financed by the Federal Government and are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

   In general, all of the following criteria are met by an organization that is included in the FFRDC category:

   (1) Its primary activities include one or more of the following: basic research, applied research, development, or

management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination);

(2) It is a separate operational unit within the parent organization or is organized as a separately incorporated organization;

(3) It performs actual research and development or R&D management either upon direct request by the Federal Government or under a broad charter from the Federal Government but in either case under the direct monitorship of the Federal Government;

(4) It receives its major financial support (70 percent or more) from the Federal Government, usually from one agency;

(5) It has, or is expected to have, a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by specific obligations assumed by it and the agency;

(6) Most or all of its facilities are owned by, or are funded under contract with, the Federal Government; and

(7) It has an average annual budget (operating and capital equipment) of at least $500,000.

v. **State and local governments:** State and local government agencies, excluding State or local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local institutions excluded in this category are included under the "Universities and colleges" category in this report.) R&D activities under the State and local category are performed either by the State or local agencies themselves or by other organizations under grants or contracts from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under this sector and no other.

vi. **Foreign performers:** Foreign citizens, foreign organizations, or foreign governments, as well as international organizations (such as the North Atlantic Treaty Organization (NATO), United Nations Educational, Scientific, and Cultural Organization (UNESCO), and World Health Organization (WHO)), performing R&D work abroad financed by the Federal Government. Excluded are U.S. agencies, organizations, or citizens performing R&D abroad for the Federal Government; the survey does not seek information on "offshore" payments. An exception is made in the case of U.S. citizens performing R&D abroad under special foreign currency funds; these activities are included under "Foreign performers." Foreign scientists performing in the United States are excluded, however.

vii. **Private individuals:** For cases wherein an R&D grant or contract is awarded directly to a private individual, obligations incurred are placed under "Industrial firms."

7. **Federal obligations for research performed at universities and colleges, by detailed field of science:** Only six agencies participate in the portion of the survey covering the funding of research at universities and colleges by detailed field of science. These six agencies represent approximately 97 percent of the Federal research obligations to universities and colleges. The six agencies are the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration (NASA); and the National Science Foundation (NSF).

8. **Geographic distribution of 1999 R&D obligations**

   a. Only the 10 largest R&D funding agencies participate in the portion of the survey covering the geographic distribution of obligations for research and development and R&D plant. These 10 agencies accounted for approximately 98 percent of total Federal R&D and R&D plant obligations in 1999. The respondents are the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, the Interior, and Transportation; the Environmental Protection Agency; NASA; and NSF.

   b. Actual fiscal year 1999 data were requested in terms of the principal location (State or outlying area) where the work was performed by the primary contractor, grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the State, outlying area, or U.S. offices abroad where the headquarters of the U.S. primary contractor, grantee, or intramural organization was located.

   c. Obligations were reported for R&D as a combined amount.

   d. Specifically omitted from the geographic portion of the survey were R&D obligations to foreign performers and support of foreign performers. Foreign performer data, by country, are reported in a separate section of the Federal funds survey.

CHANGES IN REPORTING

While completing the survey each year, agency respondents make revisions to their estimates for the latest 2 years of the previous report, in this case fiscal years 1999 and 2000. Such revision is part of the budgetary cycle. From time to time, survey submissions also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When such revisions occur, NSF requires the agencies to provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

CHANGES IN THE SCOPE OF THE SURVEY

The scope of the Federal funds survey has changed over time, and the survey instrument has been revised accordingly. The most recent changes are described in the following paragraphs.

Since the Volume 40 (FYs 1990–1992) survey cycle, the Department of Defense (DoD) has reported research obligations separate from the development obligations for tables on, *Obligations for research and development, by State and performer* (that is, *Obligations for research, by State and performer*, and *Obligations for development, by State and performer*, were specially created for DoD). The additional detail provided by DoD highlights the following circumstances that are specific to DoD:

- DoD funds the preponderance of Federal development.
- DoD development funded at institutions of higher education is typically performed at university-affiliated non-academic laboratories that are separate from the universities' academic departments where university research is typically performed.
- Geographic distribution of development funding to industry reflects only the location of prime contractors, not the numerous subcontractors who perform most of the research and development.

During the Volume 44 (FYs 1994–1996) survey cycle, the Director for Defense Research and Engineering (DDR&E) at DoD requested that NSF further clarify the true character of DoD's R&D program, particularly as it compares with other Federal agencies, by adding more detail to development obligations reported by DoD respondents. Specifically, DoD requested that NSF allow DoD agencies to report development obligations in two separate categories, advanced technology development and major systems development.

The reasoning behind DDR&E's request for the additional development categories is best explained by the following excerpt from a letter written by Robert V. Tuohy, Chief, Program Analysis and Integration at

DDR&E, to John E. Jankowski, Program Director, Research and Development Statistics Program, SRS:

> The DoD's R&D program is divided into two major pieces, Science and Technology (S&T) and Major Systems Development. The other Federal agencies' entire R&D programs are equivalent in nature to DoD's S&T program, with the exception of the Department of Energy and possibly NASA. Comparing those other agency programs to DoD's program, including the development of weapons systems such as F-22 Fighter and the New Attack Submarine, is misleading.

At several annual issues workshops held during FYs 1992–1996, NSF learned from survey respondents that there were certain Federal funds survey data items for which reliable data were difficult to obtain and report. As a result, NSF began to consider removing certain items from the Federal funds survey instrument. The Volume 42 Detailed Statistical Tables publication was distributed with a flier notifying data users that NSF was considering eliminating several items from future volumes of the document. Data users were asked to review the list of affected tables shown on the flier, and to comment on the proposed eliminations to NSF.

Prior to the publication of the Volume 43 (FYs 1993–1995) edition of the Detailed Statistical Tables, NSF decided to remove 54 tables from the document that depicted data on two of the items slated for elimination: data for the special foreign currency program, and detailed field of S&E data for estimated outyears. NSF continued to collect data from Federal agencies for these items through Volume 45, but eliminated the special foreign currency program and outyears' detailed field of S&E lines on the survey instrument beginning with the Volume 46 (FYs 1996–1998) survey cycle. A special flier was included in the Volume 46 mailout packet that listed the data items that were no longer required.

NSF also decided to remove two tables depicting data on foreign performers by region, country, and agency prior to publication of the Volume 43 edition of the Detailed Statistical Tables. These tables have been reinstated since Volume 46.

Prior to the Volume 48 survey cycle, the National Science Foundation's Division of Science Resources Studies updated the list of foreign performers in the Federal funds survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

LIMITATIONS OF THE DATA

Funds for research and development were reported on a 3-year basis comparable with the 2000 budget, upon which the data were based. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, R&D plant, or some combination of the three.

The respondents reconciled the data reported to the Federal funds survey with the amounts for R&D they reported under Max Schedule C to the Office of Management and Budget for the 2001 President's budget.

Some agencies are not able to report the full costs of research and development. For example, the headquarters costs of planning and administering R&D programs of the DoD (estimated at a fraction of 1 percent of the agency's R&D total) are excluded, because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also underreported to some extent because of the difficulty encountered by some agencies, particularly DoD and NASA, in identifying and reporting these data. DoD's respondents report obligations for the R&D plant funded under the agency's construction appropriation, but they are able to identify only a small portion of the R&D plant support that is within R&D contracts funded from DoD's appropriation for research, development, testing, and evaluation. Similarly, NASA respondents cannot separately identify the portions of industrial R&D contracts that apply to R&D plant; R&D plant data are subsumed in the R&D data covering industrial performance. NASA R&D plant data for other performing sectors are reported separately.

SECTION B.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY AND TYPE OF ADMINISTRATION

The following is the master list of federally funded research and development centers (FFRDCs) included in the Federal funds survey for fiscal years 1999–2001. The list is arranged by sponsoring agency and administering organization. Respondents reported under the FFRDC category those funds obligated to centers identified on this list.

Federally funded research and development centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
DEPARTMENT OF DEFENSE: Office of the Secretary of Defense[3,4]	Software Engineering Institute[3] (Carnegie Mellon University), Pittsburgh, PA	Institute for Defense Analyses Studies and Analyses FFRDC (Institute for Defense Analyses), Alexandria, VA National Defense Research Institute (RAND Corporation[5]), Santa Monica, CA C3I Federally Funded Research and Development Center (MITRE Corporation[6]), Bedford, MA, and McLean, VA	
National Security Agency		Institute for Defense Analyses Communications and Computing Federally Funded Research and Development Center[7] (Institute for Defense Analyses), Alexandria, VA	
Department of the Navy		Center for Naval Analyses (The CNA Corporation), Alexandria, VA	
Department of the Air Force	Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA	Aerospace Federally Funded Research and Development Center (The Aerospace Corporation), El Segundo, CA Project Air Force (RAND Corporation[5]), Santa Monica, CA	
Department of the Army[8]		Arroyo Center (RAND Corporation[5]), Santa Monica, CA	
DEPARTMENT OF ENERGY[9]	Ames Laboratory (Iowa State University of Science and Technology), Ames, IA Argonne National Laboratory (University of Chicago), Argonne, IL Ernest Orlando Lawrence Berkeley National Laboratory (University of California), Berkeley, CA	Brookhaven National Laboratory[10] (Brookhaven Science Associates, Inc.), Upton, Long Island, NY National Renewable Energy Laboratory[11] (Midwest Research Institute), Golden, CO Pacific Northwest National Laboratory (Battelle Memorial Institute), Richland, WA	Idaho National Engineering and Environmental Laboratory (Bechtel BWX Technologies Idaho, LLC), Idaho Falls, ID Oak Ridge National Laboratory (Lockheed Martin Energy Research Corporation), Oak Ridge, TN Sandia National Laboratories (Sandia Corporation, a subsidiary of Lockheed Martin Corporation), Albuquerque, NM Savannah River Technology Center (Westinghouse Savannah River Co.), Aiken, SC

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
DEPARTMENT OF ENERGY, continued	Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL Lawrence Livermore National Laboratory (University of California), Livermore, CA Los Alamos National Laboratory (University of California), Los Alamos, NM Princeton Plasma Physics Laboratory (Princeton University), Stanford Linear Accelerator Center (Leland Stanford Junior University), Stanford, CA Thomas Jefferson National Accelerator Facility[12] (Southeastern Universities Research Association, Inc.), Newport News, VA		
DEPARTMENT OF HEALTH AND HUMAN SERVICES: National Institutes of Health			NCI Frederick Cancer Research and Development Center (Science Applications International Corporation; Charles River Laboratories, Inc.; Data Management Services, Inc.), Frederick, MD
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA		
NATIONAL SCIENCE FOUNDATION	National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR National Center for Atmospheric Research (University Corporation for Atmospheric Research), Boulder, CO National Optical Astronomy Observatories[13] (Association of Universities for Research in Astronomy, Inc.), Tucson, AZ National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, WV	The Science and Technology Policy Institute[14] (RAND Corporation[5]), Washington, DC	

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
NUCLEAR REGULATORY COMMISSION		Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX	
DEPARTMENT OF TRANSPORTATION: Federal Aviation Administration		Center for Advanced Aviation System Development (MITRE Corporation[6]), McLean, VA	
DEPARTMENT OF THE TREASURY:[15] Internal Revenue Service		Internal Revenue Service (IRS) Federally Funded Research and Development Center (MITRE Corporation[6]), McLean, VA	

[1] Includes university consortia

[2] That is, other than universities and colleges

[3] In June 1997, the Office of the Secretary of Defense, became the sponsor of the Software Engineering Institute. The previous sponsor was Defense Advanced Research Projects Agency.

[4] The Department of Defense decertified Logistics Management Institute of McLean, VA as an FFRDC, effective September 24, 1998.

[5] The following portions of the Rand Corporation are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and the Science and Technology Policy Institute (formerly Critical Technologies Institute). All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

[6] Only the C3I Federally Funded Research and Development Center (FFRDC), the Center for Advanced Aviation System Development, and the Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC) parts of the MITRE Corporation are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

[7] Although the Institute for Defense Analyses Communications and Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

[8] The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

[9] The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs (1) the Energy Technology Engineering Center in November 1995 and (2) the Inhalation Toxicology Research Institute in May 1996. (3) the Oak Ridge Institute for Science Education (ORISE) in February 1999.

[10] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

[11] In September 1991 the name was changed from Solar Energy Research Institute.

[12] In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

[13] Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

[14] On October 1, 1998, the Critical Technologies Institute was renamed the Science and Technology Policy Institute.

[15] In October 1988, the Tax Systems Modernization Institute of Lanham, MD (IIT Research Institute) was replaced with the Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC), administered by the MITRE Corporation of McLean, VA.

SOURCE: National Science Foundation/Division of Science Resources Studies
Updates of this list and an annotated list of FFRDCs are available at http://www.nsf.gov/sbe/srs/ffrdc/start.htm.

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TABLE NOTES

- Because of rounding, detail may not add to totals.

- Dashes or asterisks appearing in lieu of figures indicate that the amounts are less than 50 thousand dollars or less than 0.5 percent.

- The abbreviation "FFRDCs" appearing in statistical tables refers to federally funded research and development centers.

- In tables showing extramural performers, obligations of the U.S. Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.

- Defense agencies within the Department of Defense include the Ballistic Missile Defense Organization, the Defense Advanced Research Projects Agency, the Defense Information Systems Agency, the Defense Logistics Agency, the Defense Threat Reduction Agency, the Joint Staff, the Special Operations Command, and the Washington Headquarters Services.

- Data for only those agencies that had obligations in the variables represented by a particular table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in a particular table, refer to appendix B.

Table C-1. Federal obligations for research and development, by character of work, and R&D plant: fiscal years 1951-2001

[Dollars in thousands]

Fiscal years	Total	Total research and development	Research		Development	R&D plant
			Basic	Applied		
1951	1,851,571	1,521,527	NA	NA	NA	330,044
1952	2,216,848	1,909,665	120,945	NA	NA	307,183
1953	2,167,456	1,919,543	115,997	NA	NA	247,913
1954	1,918,046	1,761,840	116,033	NA	NA	156,206
1955	2,251,894	2,044,593	130,068	NA	NA	207,301
1956	3,266,903	2,988,203	206,441	645,506	2,136,256	278,700
1957	4,389,237	3,932,001	262,348	662,199	3,007,454	457,236
1958	4,906,015	4,569,722	334,543	744,264	3,490,915	336,293
1959	7,122,610	6,693,510	465,981	874,272	5,353,257	429,100
1960	8,080,015	7,551,746	590,374	1,282,135	5,679,237	528,269
1961	9,607,023	9,058,623	814,513	1,663,431	6,580,679	548,400
1962	11,069,059	10,289,947	986,314	2,018,481	7,285,152	779,112
1963	13,662,879	12,494,611	1,151,753	2,356,150	8,986,708	1,168,268
1964	15,323,870	14,225,354	1,303,000	2,571,452	10,350,902	1,098,516
1965	15,745,852	14,614,249	1,435,469	2,811,761	10,367,019	1,131,603
1966	16,178,640	15,320,334	1,579,181	3,081,066	10,660,087	858,306
1967	17,149,186	16,529,099	1,845,847	2,785,543	11,897,709	620,087
1968	16,525,038	15,921,208	1,840,562	2,940,500	11,140,146	603,830
1969	16,309,900	15,640,888	1,944,773	2,700,117	10,995,998	669,012
1970	15,863,385	15,338,937	1,925,908	2,974,890	10,438,139	524,448
1971	16,153,756	15,542,512	1,980,141	3,143,030	10,419,341	611,244
1972	17,097,951	16,495,895	2,186,937	3,360,759	10,948,199	602,056
1973	17,574,486	16,800,153	2,232,006	3,349,423	11,218,724	774,333
1974	18,176,457	17,410,128	2,387,681	3,787,559	11,234,888	766,329
1975	19,859,548	19,038,818	2,588,427	4,141,281	12,309,110	820,730
1976	21,616,382	20,779,658	2,767,454	4,851,878	13,160,326	836,724
1977	24,817,577	23,450,377	3,258,640	5,255,475	14,936,262	1,367,200
1978	27,140,849	25,845,137	3,698,604	5,908,154	16,238,379	1,295,712
1979	29,620,597	28,145,142	4,192,665	6,342,340	17,610,137	1,475,455
1980	31,386,095	29,830,432	4,674,156	6,923,222	18,233,054	1,555,663
1981	34,589,634	33,103,924	5,041,295	7,171,485	20,891,144	1,485,710
1982	37,822,363	36,432,589	5,481,605	7,540,580	23,410,404	1,389,774
1983	40,009,032	38,711,537	6,260,131	7,993,394	24,458,012	1,297,495
1984	44,012,149	42,224,865	7,067,359	7,911,414	27,246,092	1,787,284
1985	50,180,369	48,359,565	7,818,682	8,314,739	32,226,144	1,820,804
1986	52,951,181	51,412,364	8,153,076	8,349,123	34,910,165	1,538,817
1987	57,099,656	55,253,693	8,942,425	8,998,096	37,313,172	1,845,963
1988	58,826,512	56,769,425	9,473,618	9,176,527	38,119,280	2,057,087
1989	63,571,605	61,406,484	10,602,011	10,163,520	40,640,953	2,165,121
1990	65,831,189	63,559,471	11,285,593	10,336,771	41,937,107	2,271,718
1991	64,147,951	61,295,152	12,170,794	11,797,583	37,326,775	2,852,799
1992	68,577,184	65,592,590	12,489,864	12,000,734	41,101,992	2,984,594
1993	70,414,697	67,314,025	13,399,121	13,491,376	40,423,528	3,100,672
1994	69,450,776	67,235,390	13,523,476	13,887,733	39,824,181	2,215,386
1995	70,442,935	68,186,798	13,877,031	14,557,365	39,752,402	2,256,137
1996	69,399,164	67,653,047	14,464,035	13,795,729	39,393,283	1,746,117
1997	71,753,430	69,826,779	14,941,892	14,423,397	40,461,490	1,926,651
1998	73,913,988	72,100,724	15,613,012	15,309,257	41,178,455	1,813,264
1999	77,386,368	75,340,622	17,443,653	16,083,861	41,813,108	2,045,746
2000 (Preliminary)	81,772,642	79,470,264	18,981,738	17,347,786	43,140,740	2,302,378
2001 (Preliminary)	83,609,416	81,526,179	20,274,385	18,413,719	42,838,075	2,083,237

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-2. Summary of Federal funds for research and development and for R&D plant: fiscal years 1999, 2000, and 2001

[In millions of dollars and percent change]

Page 1 of 2

Character of work, performers, and field	1999	Preliminary			
		2000	Percent change 1999-2000	2001	Percent change 2000-2001
Total outlays for research and development and for R&D plant	$72,613.9	$75,864.5	4.5	$79,400.0	4.7
Research and development	70,585.2	73,774.2	4.5	77,254.7	4.7
R&D plant	2,028.7	2,090.3	3.0	2,145.3	2.6
Total obligations for research and development and for R&D plant	77,386.4	81,772.6	5.7	83,609.4	2.2
Research and development, total	75,340.6	79,470.3	5.5	81,526.2	2.6
By performers:					
Intramural[1]	18,084.7	19,072.8	5.5	19,352.4	1.5
Industrial firms	31,901.7	32,815.0	2.9	33,026.2	.6
FFRDCs administered by industrial firms	1,328.0	1,335.5	6	1,385.5	3.7
Universities and colleges	14,959.1	16,612.1	11.0	17,723.6	6.7
FFRDCs administered by universities and colleges	3,896.4	3,992.6	2.5	4,189.1	4.9
Other nonprofit institutions	3,608.7	4,047.1	12.2	4,175.6	3.2
FFRDCs administered by nonprofit institutions	913.2	898.2	-1.6	978.0	8.9
State and local governments	357.5	389.6	9.0	410.7	5.4
Foreign	291.4	307.5	5.5	284.9	-7.3
Research, total	33,527.5	36,329.5	8.4	38,688.1	6.5
By performers:					
Intramural[1]	8,685.8	9,203.5	6.0	9,792.8	6.4
Industrial firms	4,579.8	4,888.1	6.7	5,118.0	4.7
FFRDCs administered by industrial firms	879.3	850.1	-3.3	911.3	7.2
Universities and colleges	13,203.8	14,699.1	11.3	15,696.1	6.8
FFRDCs administered by universities and colleges	2,554.1	2,673.6	4.7	2,948.4	10.3
Other nonprofit institutions	2,806.7	3,178.3	13.2	3,340.6	5.1
FFRDCs administered by nonprofit institutions	469.5	450.6	-4.0	470.4	4.4
State and local governments	232.4	267.9	15.3	287.8	7.4
Foreign	116.1	118.3	1.9	122.7	3.8
By fields of science:					
Life sciences	15,422.5	17,422.5	13.0	18,249.2	4.7
Psychology	632.6	719.9	13.8	751.8	4.4
Physical sciences	4,066.2	4,183.1	2.9	4,430.2	5.9
Environmental sciences	3,095.3	3,102.4	.2	3,243.2	4.5
Mathematics and computer sciences	1,980.6	2,178.5	10.0	2,517.3	15.6
Engineering	6,263.4	6,548.3	4.5	7,088.7	8.3
Social sciences	854.9	901.8	5.5	995.9	10.4
Other sciences, n.e.c.	1,212.1	1,273.0	5.0	1,411.8	10.9
Basic research, total	17,443.7	18,981.7	8.8	20,274.4	6.8
By performers:					
Intramural[1]	3,255.2	3,482.5	7.0	3,650.5	4.8
Industrial firms	1,082.8	1,192.0	10.1	1,192.8	.1
FFRDCs administered by industrial firms	313.4	308.2	-1.7	325.1	5.5
Universities and colleges	9,107.1	10,043.7	10.3	10,906.4	8.6
FFRDCs administered by universities and colleges	1,565.5	1,621.1	3.6	1,747.2	7.8
Other nonprofit institutions	1,650.0	1,871.2	13.4	1,980.3	5.8
FFRDCs administered by nonprofit institutions	354.9	338.1	-4.7	340.2	6
State and local governments	61.4	66.8	8.7	68.7	2.9
Foreign	53.4	58.1	8.9	63.3	8.9
By fields of science:					
Life sciences	9,197.1	10,374.4	12.8	10,964.6	5.7
Psychology	347.3	408.7	17.7	425.6	4.1
Physical sciences	3,089.8	3,217.6	4.1	3,401.0	5.7
Environmental sciences	1,615.7	1,630.6	.9	1,722.3	5.6
Mathematics and computer sciences	734.9	760.8	3.5	920.1	20.9
Engineering	1,639.7	1,716.9	4.7	1,870.3	8.9
Social sciences	246.5	273.4	10.9	299.8	9.7
Other sciences, n.e.c.	572.5	599.3	4.7	670.6	11.9

See explanatory information, if any, and SOURCE at end of table

Table C-2. Summary of Federal funds for research and development and for R&D plant: fiscal years 1999, 2000, and 2001

[In millions of dollars and percent change]

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Character of work, performers, and field	1999	Preliminary			
		2000	Percent change 1999-2000	2001	Percent change 2000-2001
Applied research, total	$16,083.9	$17,347.8	7.9	$18,413.7	6.1
By performers:					
Intramural[1]	5,430.6	5,721.0	5.3	6,142.3	7.4
Industrial firms	3,497.0	3,696.1	5.7	3,925.1	6.2
FFRDCs administered by industrial firms	565.8	541.9	-4.2	586.2	8.2
Universities and colleges	4,096.7	4,655.3	13.6	4,789.8	2.9
FFRDCs administered by universities and colleges	988.6	1,052.5	6.5	1,201.2	14.1
Other nonprofit institutions	1,156.7	1,307.1	13.0	1,360.4	4.1
FFRDCs administered by nonprofit institutions	114.6	112.6	-1.8	130.1	15.6
State and local governments	171.0	201.2	17.6	219.2	8.9
Foreign	62.8	60.2	-4.1	59.4	-1.3
By fields of science:					
Life sciences	6,225.3	7,048.1	13.2	7,284.6	3.4
Psychology	285.3	311.2	9.1	326.2	4.8
Physical sciences	976.4	965.5	-1.1	1,029.1	6.6
Environmental sciences	1,479.5	1,471.8	-.5	1,521.0	3.3
Mathematics and computer sciences	1,245.7	1,417.7	13.8	1,597.2	12.7
Engineering	4,623.7	4,831.4	4.5	5,218.3	8.0
Social sciences	608.3	628.4	3.3	696.0	10.8
Other sciences, n.e.c.	639.6	673.7	5.3	741.2	10.0
Development, total	41,813.1	43,140.7	3.2	42,838.1	-.7
By performers:					
Intramural[1]	9,398.9	9,869.3	5.0	9,559.6	-3.1
Industrial firms	27,321.8	27,927.0	2.2	27,908.3	-.1
FFRDCs administered by industrial firms	448.8	485.4	8.2	474.3	-2.3
Universities and colleges	1,755.3	1,913.0	9.0	2,027.5	6.0
FFRDCs administered by universities and colleges	1,342.3	1,319.0	-1.7	1,240.7	-5.9
Other nonprofit institutions	802.0	868.8	8.3	835.0	-3.9
FFRDCs administered by nonprofit institutions	443.7	447.6	.9	507.7	13.4
State and local governments	125.1	121.6	-2.7	122.8	1.0
Foreign	175.2	189.2	8.0	162.1	-14.3
R&D plant, total	2,045.7	2,302.4	12.5	2,083.2	-9.5
By performers supported:					
Intramural	483.3	787.8	63.0	441.9	-43.9
Industrial firms	544.7	526.7	-3.3	561.7	6.6
FFRDCs administered by industrial firms	172.8	154.5	-10.6	321.6	108.2
Universities and colleges	141.2	192.8	36.5	194.4	.8
FFRDCs administered by universities and colleges	615.5	552.8	-10.2	469.5	-15.1
Other nonprofit institutions	12.2	24.6	101.5	14.3	-41.9
FFRDCs administered by nonprofit institutions	70.7	61.9	-12.5	79.8	28.9
State and local governments	5.3	1.3	-75.0	.0	-100.0
Foreign	-	.0	-100.0	.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Because of rounding, detail may not add to totals. Percentages are computed using dollars in thousands.

KEY:
- = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-3. Federal funds for research and development and for R&D plant, by agency: fiscal years 1999, 2000, and 2001

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
Total, all agencies	77,386.4	81,772.6	83,609.4	72,613.9	75,864.5	79,400.0
Departments						
Department of Agriculture, total	1,745.2	1,878.6	1,892.6	1,612.8	1,753.7	1,845.1
Agricultural Marketing Service	4.7	5.0	5.3	4.4	5.0	5.3
Agricultural Research Service	973.6	1,013.2	1,073.9	847.4	912.6	969.5
Animal & Plant Health Inspection Service	20.4	20.5	21.3	20.4	20.5	21.3
Cooperative State Rsch, Ed, & Extension Svc	463.1	549.4	483.0	464.8	511.2	529.8
Economic Research Service	62.5	65.4	55.4	57.8	56.2	47.7
Food Safety Inspection Service	.7	.1	.1	.7	.0	.0
Foreign Agricultural Service	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	209.0	213.0	237.0	206.0	236.0	255.0
Grain Inspection Packers & Stockyards Admin	2.7	3.4	5.6	2.7	3.4	5.6
National Agricultural Statistics Service	3.6	3.9	3.9	3.6	3.9	3.9
Rural Business-Cooperative Service	3.5	3.3	5.6	3.5	3.3	5.6
Department of Commerce, total	1,009.8	1,267.8	1,162.9	1,036.1	1,059.6	1,090.0
Bureau of the Census	15.0	13.0	.3	12.0	13.0	2.0
Economic Development Administration	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	421.8	644.8	516.9	456.0	425.3	467.9
National Oceanic & Atmospheric Administration	547.2	588.8	591.2	547.2	588.8	591.2
Nat'l Telecommunications & Information Admin	25.2	20.7	54.0	20.3	32.0	28.4
Department of Defense, total	35,753.4	36,943.7	36,461.8	33,814.9	34,517.3	34,626.0
Department of the Air Force	14,069.5	14,268.3	13,767.0	13,972.6	13,344.9	13,049.5
Department of the Army, total	5,043.5	5,444.7	5,310.7	5,071.8	5,085.6	5,305.8
Department of the Army, Civil Functions	44.8	46.6	52.1	44.8	46.6	52.1
Department of the Army, Military Functions	4,998.7	5,398.1	5,258.6	5,027.0	5,039.0	5,253.7
Department of the Navy	8,862.4	9,398.8	8,786.8	8,261.2	9,291.6	8,943.4
Defense Agencies, total	7,476.0	7,555.7	8,381.6	6,207.4	6,519.0	7,111.6
Ballistic Missile Defense Organization	3,205.0	3,422.7	3,943.2	3,205.0	3,422.7	3,943.2
Defense Advanced Research Projects Agency	1,947.2	1,794.8	1,940.7	1,978.5	1,896.5	1,904.9
Defense Information Systems Agency	123.8	99.2	191.6	85.4	104.3	139.2
Defense Logistics Agency	72.2	101.7	86.6	41.0	52.5	42.8
Defense Threat Reduction Agency	342.6	339.4	366.8	147.4	310.9	351.0
Joint Staff	159.5	49.0	75.3	159.5	49.0	75.3
Special Operations Command	200.7	230.5	234.9	164.6	181.3	198.9
Washington Headquarters Services	1,425.0	1,518.4	1,542.6	426.1	501.7	456.4
Operational Test & Evaluation, Director	44.7	28.9	176.0	44.7	28.9	176.0
Test & Evaluation, Deputy Under Sec of Defense	257.3	247.3	39.7	257.3	247.3	39.7
Department of Education	223.7	246.8	307.3	201.6	233.8	261.1
Department of Energy	6,875.9	7,125.7	7,656.9	6,836.9	7,312.5	7,740.5
Department of Health & Human Services, total	16,167.6	18,502.8	19,462.6	14,280.2	16,072.3	18,353.4
Administration on Aging	18.5	31.7	31.7	18.5	31.7	31.7
Administration for Children & Families	24.9	30.5	31.9	23.1	24.7	29.0
Agency for Healthcare Research and Quality[1]	182.3	198.8	250.0	79.0	120.1	92.6
Centers for Disease Control & Prevention	433.3	477.1	518.0	433.3	477.1	518.0
Food & Drug Administration	133.4	143.2	163.9	133.3	143.2	163.9
Health Care Financing Administration	49.7	61.8	55.0	48.1	51.5	55.0
Health Resources & Services Administration	13.4	13.7	13.7	13.0	13.4	13.4
National Institutes of Health	15,005.0	17,228.6	18,094.8	13,226.0	14,894.3	17,147.5
Office of the Secretary, total	17.7	20.8	21.6	16.6	19.6	20.1
Office of the Asst Sec, Planning & Evaluation	13.9	16.7	17.0	13.9	16.7	17.0
Office of Public Health & Science	3.8	4.1	4.6	2.6	2.9	3.1
Substance Abuse & Mental Health Svcs Admin[2]	289.3	296.7	282.2	289.3	296.7	282.2
Department of Housing & Urban Development	57.0	57.8	62.7	27.5	53.4	56.6

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Federal funds for research and development and for R&D plant, by agency: fiscal years 1999, 2000, and 2001

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
Department of the Interior, total	642.9	567.1	620.5	608.1	544.2	600.7
Bureau of Reclamation	10.3	8.5	8.9	10.3	8.5	8.9
Geological Survey	579.1	501.9	553.8	545.7	479.4	534.4
Minerals Management Service	30.1	30.0	29.8	29.7	30.1	29.9
National Park Service	23.4	26.7	28.0	22.5	26.2	27.5
Department of Justice, total	118.6	106.4	102.8	85.3	90.8	112.4
Bureau of Prisons	11.0	6.4	6.6	9.3	6.5	6.8
Federal Bureau of Investigation	36.3	36.4	41.4	36.3	36.4	41.4
Immigration & Naturalization Service	.2	.7	.6	.2	.7	.6
Office of Justice Programs	71.1	63.0	54.2	39.5	47.2	63.6
Department of Labor, total	54.1	61.0	66.0	25.8	29.0	33.1
Bureau of Labor Statistics	12.4	12.3	12.3	12.4	12.3	12.3
Employment & Training Administration	33.8	37.2	38.9	6.1	6.7	7.0
Occupational Safety & Health Administration	3.8	4.4	5.0	3.7	4.3	5.0
Office of the Secretary	1.0	3.0	5.3	1.0	3.0	5.3
Pension Benefit Guaranty Corporation	.7	.7	.7	.7	.7	.7
Pension & Welfare Benefits Administration	2.5	3.4	3.8	1.8	2.0	2.8
Department of State[3]	1.5	1.5	1.5	1.0	1.0	1.0
Department of Transportation, total	681.5	714.5	881.7	523.9	491.4	738.9
Coast Guard	20.5	21.3	20.6	20.7	22.9	21.3
Federal Aviation Administration	219.6	229.1	278.8	187.9	172.2	186.2
Federal Highway Administration	333.2	357.0	426.9	230.7	190.4	395.1
Federal Railroad Administration	20.9	28.9	26.8	22.1	38.1	31.2
Federal Transit Administration	20.5	16.9	15.2	10.6	14.6	12.6
National Highway Traffic Safety Admin	50.4	50.6	95.3	40.3	40.5	76.2
Office of the Secretary	9.1	3.7	4.7	3.7	5.7	4.9
Research & Special Programs Administration	7.3	7.1	13.4	7.9	7.1	11.3
Department of the Treasury, total	64.8	58.7	67.8	64.8	58.6	67.7
Bureau of Engraving & Printing	2.1	2.7	2.7	2.1	2.7	2.7
Internal Revenue Service	55.8	51.9	62.5	55.8	51.9	62.5
Office of Thrift Supervision	.1	.2	.2	.1	.2	.2
United States Customs Service	5.4	2.0	.0	5.4	2.0	.0
United States Mint	.8	1.1	1.3	.8	1.0	1.3
United States Secret Service	.5	1.0	1.1	.5	1.0	1.1
Department of Veterans Affairs	339.4	367.1	367.4	339.4	367.1	367.4
Other agencies:						
Appalachian Regional Commission	.8	.6	.8	.8	.6	.8
Environmental Protection Agency	668.8	646.8	672.1	593.0	655.0	658.0
Federal Communications Commission	4.5	3.9	3.5	4.5	3.9	3.5
Federal Trade Commission	1.3	1.2	1.4	1.3	1.2	1.4
General Services Administration	.0	.0	-	.0	.0	.8
International Development Cooperation Agency, total	203.0	221.3	216.9	203.0	221.3	216.9
Agency for International Development[4]	203.0	221.3	216.9	203.0	221.3	216.9
Library of Congress	2.4	1.9	2.1	2.1	2.0	2.0
National Aeronautics & Space Administration	9,885.2	9,929.6	9,965.9	9,752.0	9,547.0	9,727.0
National Archives & Records Administration	.1	.1	.1	.1	.1	.1
National Science Foundation	2,679.6	2,863.2	3,430.7	2,399.0	2,656.0	2,707.0
Nuclear Regulatory Commission	49.0	53.0	53.0	48.0	47.0	47.0
Smithsonian Institution	93.0	101.0	107.0	88.5	95.0	100.0
Social Security Administration	53.3	40.3	41.6	53.3	40.3	41.6

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Federal funds for research and development and for R&D plant, by agency: fiscal years 1999, 2000, and 2001

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
United States Information Agency	0.1	0.1	.0	0.1	0.1	.0
United States International Trade Commission	9.7	10.1	.0	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-4. Federal funds for total research and development, by agency: fiscal years 1999, 2000, and 2001

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
Total, all agencies	75,340.6	79,470.3	81,526.2	70,585.2	73,774.2	77,254.7
Departments:						
Department of Agriculture, total	1,614.1	1,752.0	1,779.3	1,446.2	1,604.4	1,692.3
Agricultural Marketing Service	4.7	5.0	5.3	4.4	5.0	5.3
Agricultural Research Service	855.1	901.5	968.7	733.5	800.8	857.8
Animal & Plant Health Inspection Service	20.4	20.5	21.3	20.4	20.5	21.3
Cooperative State Rsch, Ed, & Extension Svc	462.5	546.5	483.0	424.2	485.8	496.7
Economic Research Service	62.5	65.4	55.4	57.8	56.2	47.7
Food Safety Inspection Service	.7	.1	.1	.7	.0	.0
Foreign Agricultural Service	1.4	1.4	1.4	1.4	1.4	1.4
Forest Service	197.0	201.0	229.0	194.0	224.0	247.0
Grain Inspection Packers & Stockyards Admin	2.7	3.4	5.6	2.7	3.4	5.6
National Agricultural Statistics Service	3.6	3.9	3.9	3.6	3.9	3.9
Rural Business-Cooperative Service	3.5	3.3	5.6	3.5	3.3	5.6
Department of Commerce, total	990.2	1,041.4	1,127.0	999.8	1,027.2	1,049.5
Bureau of the Census	15.0	13.0	.3	12.0	13.0	2.0
Economic Development Administration	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	402.2	418.4	481.0	419.6	392.9	427.4
National Oceanic & Atmospheric Administration	547.2	588.8	591.2	547.2	588.8	591.2
Nat'l Telecommunications & Information Admin	25.2	20.7	54.0	20.3	32.0	28.4
Department of Defense, total	35,645.9	36,875.9	36,396.6	33,687.3	34,432.4	34,549.4
Department of the Air Force	14,022.3	14,246.2	13,745.6	13,899.4	13,299.8	13,012.4
Department of the Army, total	5,038.9	5,444.7	5,310.7	5,067.8	5,083.9	5,305.5
Department of the Army, Civil Functions	44.8	46.6	52.1	44.8	46.6	52.1
Department of the Army, Military Functions	4,994.1	5,398.1	5,258.6	5,023.0	5,037.3	5,253.3
Department of the Navy	8,826.8	9,360.6	8,748.6	8,229.7	9,258.1	8,907.1
Defense Agencies, total	7,455.9	7,548.2	8,375.9	6,188.5	6,514.4	7,108.8
Ballistic Missile Defense Organization	3,186.2	3,418.2	3,940.4	3,186.2	3,418.2	3,940.4
Defense Advanced Research Projects Agency	1,947.2	1,794.8	1,940.7	1,978.5	1,896.5	1,904.9
Defense Information Systems Agency	123.8	99.2	191.6	85.4	104.3	139.2
Defense Logistics Agency	72.1	101.7	86.6	40.9	52.5	42.8
Defense Threat Reduction Agency	342.6	339.4	366.8	147.4	310.9	351.0
Joint Staff	159.5	49.0	75.3	159.5	49.0	75.3
Special Operations Command	200.7	230.5	234.9	164.6	181.3	198.9
Washington Headquarters Services	1,423.7	1,515.5	1,539.7	426.1	501.7	456.4
Operational Test & Evaluation, Director	44.7	28.9	176.0	44.7	28.9	176.0
Test & Evaluation, Deputy Under Sec of Defense	257.3	247.3	39.7	257.3	247.3	39.7
Department of Education	223.7	246.8	307.3	201.6	233.8	261.1
Department of Energy	6,009.7	6,305.6	6,793.5	6,035.0	6,408.5	6,883.6
Department of Health & Human Services, total	15,914.7	18,140.4	19,234.6	14,056.8	15,842.3	18,095.6
Administration on Aging	18.5	31.7	31.7	18.5	31.7	31.7
Administration for Children & Families	24.9	30.5	31.9	23.1	24.7	29.0
Agency for Healthcare Research and Quality[1]	182.3	198.8	250.0	79.0	120.1	92.6
Centers for Disease Control & Prevention	433.3	477.1	518.0	433.3	477.1	518.0
Food & Drug Administration	130.8	140.2	160.9	130.8	140.2	160.9
Health Care Financing Administration	49.7	61.8	55.0	48.1	51.5	55.0
Health Resources & Services Administration	12.8	13.0	13.1	12.4	12.8	12.8
National Institutes of Health	14,755.4	16,869.7	17,870.4	13,005.7	14,667.9	16,893.4
Office of the Secretary, total	17.7	20.8	21.6	16.6	19.6	20.1
Office of the Asst Sec, Planning & Evaluation	13.9	16.7	17.0	13.9	16.7	17.0
Office of Public Health & Science	3.8	4.1	4.6	2.6	2.9	3.1
Substance Abuse & Mental Health Svcs Admin[2]	289.3	296.7	282.2	289.3	296.7	282.2
Department of Housing & Urban Development	57.0	57.8	62.7	27.5	53.4	56.6

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Federal funds for total research and development, by agency: fiscal years 1999, 2000, and 2001

[Dollars in millions]

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Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
Department of the Interior, total	641.5	566.0	619.4	606.7	543.0	599.5
Bureau of Reclamation	10.3	8.5	8.9	10.3	8.5	8.9
Geological Survey	579.1	501.9	553.8	545.7	479.4	534.4
Minerals Management Service	28.8	28.9	28.7	28.2	28.9	28.8
National Park Service	23.4	26.7	28.0	22.5	26.2	27.5
Department of Justice, total	118.6	106.4	102.8	85.3	90.8	112.4
Bureau of Prisons	11.0	6.4	6.6	9.3	6.5	6.8
Federal Bureau of Investigation	36.3	36.4	41.4	36.3	36.4	41.4
Immigration & Naturalization Service	.2	.7	.6	.2	.7	.6
Office of Justice Programs	71.1	63.0	54.2	39.5	47.2	63.6
Department of Labor, total	54.1	61.0	66.0	25.8	29.0	33.1
Bureau of Labor Statistics	12.4	12.3	12.3	12.4	12.3	12.3
Employment & Training Administration	33.8	37.2	38.9	6.1	6.7	7.0
Occupational Safety & Health Administration	3.8	4.4	5.0	3.7	4.3	5.0
Office of the Secretary	1.0	3.0	5.3	1.0	3.0	5.3
Pension Benefit Guaranty Corporation	.7	.7	.7	.7	.7	.7
Pension & Welfare Benefits Administration	2.5	3.4	3.8	1.8	2.0	2.8
Department of State[3]	1.5	1.5	1.5	1.0	1.0	1.0
Department of Transportation, total	667.0	700.1	866.1	508.4	476.4	723.6
Coast Guard	20.3	21.1	20.4	20.4	22.6	21.0
Federal Aviation Administration	205.3	216.3	264.8	173.7	158.8	172.6
Federal Highway Administration	333.2	357.0	426.9	230.7	190.4	395.1
Federal Railroad Administration	20.9	27.6	25.5	21.1	36.8	29.9
Federal Transit Administration	20.5	16.9	15.2	10.6	14.6	12.6
National Highway Traffic Safety Admin	50.4	50.6	95.3	40.3	40.5	76.2
Office of the Secretary	9.1	3.7	4.7	3.7	5.7	4.9
Research & Special Programs Administration	7.3	7.1	13.4	7.9	7.1	11.3
Department of the Treasury, total	64.7	58.6	67.8	64.7	58.5	67.7
Bureau of Engraving & Printing	2.1	2.7	2.7	2.1	2.7	2.7
Internal Revenue Service	55.8	51.9	62.5	55.8	51.9	62.5
Office of Thrift Supervision	.1	.2	.2	.1	.2	.2
United States Customs Service	5.3	1.9	.0	5.3	1.9	.0
United States Mint	.8	1.1	1.3	.8	1.0	1.3
United States Secret Service	.5	1.0	1.1	.5	1.0	1.1
Department of Veterans Affairs	339.1	366.7	367.0	339.1	366.7	367.0
Other agencies						
Appalachian Regional Commission	.8	.6	.8	.8	.6	.8
Environmental Protection Agency	552.8	536.8	530.1	532.0	537.0	526.0
Federal Communications Commission	4.5	3.9	3.5	4.5	3.9	3.5
Federal Trade Commission	1.3	1.2	1.4	1.3	1.2	1.4
International Development Cooperation Agency, total	203.0	221.3	216.9	203.0	221.3	216.9
Agency for International Development[4]	203.0	221.3	216.9	203.0	221.3	216.9
Library of Congress	2.4	1.9	2.1	2.1	2.0	2.0
National Aeronautics & Space Administration	9,525.7	9,568.1	9,602.4	9,415.0	9,209.0	9,329.0
National Archives & Records Administration	.1	.1	.1	.1	.1	.1
National Science Foundation	2,506.0	2,655.6	3,179.9	2,144.0	2,442.0	2,497.0
Nuclear Regulatory Commission	49.0	53.0	53.0	48.0	47.0	47.0
Smithsonian Institution	90.0	97.0	103.0	86.0	92.0	97.0
Social Security Administration	53.3	40.3	41.6	53.3	40.3	41.6

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Federal funds for total research and development, by agency: fiscal years 1999, 2000, and 2001

[Dollars in millions]

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Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
United States Information Agency	0.1	0.1	0	0.1	0.1	.0
United States International Trade Commission	9.7	10.1	0	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

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Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1999

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	75,340,622	17,443,653	16,083,861	41,813,108	NA	NA
Departments:						
Department of Agriculture, total	1,614,133	743,295	744,764	126,074	NA	NA
Agricultural Marketing Service	4,719	0	4,015	704	NA	NA
Agricultural Research Service	855,086	461,747	316,382	76,957	NA	NA
Animal & Plant Health Inspection Service	20,426	0	0	20,426	NA	NA
Cooperative State Rsch, Ed, & Extension Svc	462,541	189,642	272,899	0	NA	NA
Economic Research Service	62,488	6,249	56,239	0	NA	NA
Food Safety Inspection Service	664	125	125	414	NA	NA
Foreign Agricultural Service	1,422	865	557	0	NA	NA
Forest Service	197,000	80,777	88,650	27,573	NA	NA
Grain Inspection Packers & Stockyards Admin	2,714	2,714	0	0	NA	NA
National Agricultural Statistics Service	3,573	1,176	2,397	0	NA	NA
Rural Business-Cooperative Service	3,500	0	3,500	0	NA	NA
Department of Commerce, total	990,226	49,128	798,872	142,226	NA	NA
Bureau of the Census	15,000	2,037	3,835	9,128	NA	NA
Economic Development Administration	550	0	550	0	NA	NA
National Institute of Standards & Technology	402,228	42,003	266,948	93,277	NA	NA
National Oceanic & Atmospheric Administration	547,222	5,088	523,730	18,404	NA	NA
Nat'l Telecommunications & Information Admin	25,226	0	3,809	21,417	NA	NA
Department of Defense, total	35,645,859	1,040,210	3,102,052	31,503,597	NA	NA
Department of the Air Force	14,022,344	191,401	573,368	13,257,575	804,054	12,453,521
Department of the Army, total	5,038,930	181,121	667,278	4,190,531	NA	NA
Department of the Army, Civil Functions[1]	44,804	5,376	21,506	17,922	NA	NA
Department of the Army, Military Functions	4,994,126	175,745	645,772	4,172,609	615,306	3,557,303
Department of the Navy	8,826,791	355,761	517,482	7,953,548	570,877	7,382,671
Defense Agencies, total	7,455,876	311,927	1,343,924	5,800,025	2,253,993	3,546,032
Ballistic Missile Defense Organization	3,186,227	0	104,487	3,081,740	421,434	2,660,306
Defense Advanced Research Projects Agency	1,947,192	49,664	898,967	998,561	917,216	81,345
Defense Information Systems Agency	123,771	0	1,951	121,820	0	121,820
Defense Logistics Agency	72,140	0	8,090	64,050	56,413	7,637
Defense Threat Reduction Agency	342,614	0	202,820	139,794	139,794	0
Joint Staff	159,475	0	0	159,475	134,911	24,564
Special Operations Command	200,743	0	17,866	182,877	76,809	106,068
Washington Headquarters Services	1,423,714	262,263	109,743	1,051,708	507,416	544,292
Operational Test & Evaluation, Director	44,667	0	0	44,667	0	44,667
Test & Evaluation, Deputy Under Sec of Defense	257,251	0	0	257,251	0	257,251
Department of Education	223,697	2,049	146,577	75,071	NA	NA
Department of Energy	6,009,730	2,131,823	1,787,991	2,089,916	NA	NA
Department of Health & Human Services, total	15,914,736	8,632,526	5,082,114	2,200,096	NA	NA
Administration on Aging	18,526	0	2,381	16,145	NA	NA
Administration for Children & Families	24,893	0	24,893	0	NA	NA
Agency for Healthcare Research and Quality[2]	182,273	0	171,337	10,936	NA	NA
Centers for Disease Control & Prevention	433,307	0	433,307	0	NA	NA
Food & Drug Administration	130,802	0	130,802	0	NA	NA
Health Care Financing Administration	49,671	0	49,671	0	NA	NA
Health Resources & Services Administration	12,798	1,182	11,616	0	NA	NA
National Institutes of Health	14,755,439	8,631,344	4,244,159	1,879,936	NA	NA
Office of the Secretary, total	17,720	0	13,948	3,772	NA	NA
Office of the Asst Sec, Planning & Evaluation	13,948	0	13,948	0	NA	NA
Office of Public Health & Science	3,772	0	0	3,772	NA	NA
Substance Abuse & Mental Health Svcs Admin[3]	289,307	0	0	289,307	NA	NA
Department of Housing & Urban Development	56,969	0	19,067	37,902	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of the Interior, total	641,542	59,136	550,910	31,496	NA	NA
Bureau of Reclamation	10,269	0	7,702	2,567	NA	NA
Geological Survey	579,087	58,636	491,522	28,929	NA	NA
Minerals Management Service	28,752	0	28,752	0	NA	NA
National Park Service	23,434	500	22,934	0	NA	NA
Department of Justice, total	118,605	17,775	36,249	64,581	NA	NA
Bureau of Prisons	10,953	0	7,449	3,504	NA	NA
Federal Bureau of Investigation	36,343	0	0	36,343	NA	NA
Immigration & Naturalization Service	200	0	0	200	NA	NA
Office of Justice Programs	71,109	17,775	28,800	24,534	NA	NA
Department of Labor, total	54,139	11,100	16,626	26,413	NA	NA
Bureau of Labor Statistics	12,400	11,100	1,300	0	NA	NA
Employment & Training Administration	33,783	0	8,816	24,967	NA	NA
Occupational Safety & Health Administration	3,757	0	3,757	0	NA	NA
Office of the Secretary	976	0	156	820	NA	NA
Pension Benefit Guaranty Corporation	683	0	57	626	NA	NA
Pension & Welfare Benefits Administration	2,540	0	2,540	0	NA	NA
Department of State[4]	1,473	0	1,473	0	NA	NA
Department of Transportation, to al	666,950	60,689	415,979	190,282	NA	NA
Coast Guard	20,275	0	5,069	15,206	NA	NA
Federal Aviation Administration	205,309	0	142,322	62,987	NA	NA
Federal Highway Administration	333,205	60,689	187,155	85,361	NA	NA
Federal Railroad Administration	20,881	0	20,304	577	NA	NA
Federal Transit Administration	20,544	0	4,800	15,744	NA	NA
National Highway Traffic Safety Admin	50,350	0	50,350	0	NA	NA
Office of the Secretary	9,097	0	0	9,097	NA	NA
Research & Special Programs Administration	7,289	0	5,979	1,310	NA	NA
Department of the Treasury, total	64,715	25	50,705	13,985	NA	NA
Bureau of Engraving & Printing	2,110	25	1,991	94	NA	NA
Internal Revenue Service	55,840	0	48,039	7,801	NA	NA
Office of Thrift Supervision	144	0	144	0	NA	NA
United States Customs Service	5,305	0	0	5,305	NA	NA
United States Mint	785	0	0	785	NA	NA
United States Secret Service	531	0	531	0	NA	NA
Department of Veterans Affairs	339,088	148,438	183,846	6,804	NA	NA
Other agencies:						
Appalachian Regional Commission	831	0	831	0	NA	NA
Environmental Protection Agency	552,782	56,988	399,994	95,800	NA	NA
Federal Communications Commission	4,487	0	4,487	0	NA	NA
Federal Trade Commission	1,254	0	1,254	0	NA	NA
International Development Cooperation Agency, total	203,037	67	163,713	39,257	NA	NA
Agency for International Development[5]	203,037	67	163,713	39,257	NA	NA
Library of Congress	2,388	0	544	1,844	NA	NA
National Aeronautics & Space Administration	9,525,693	2,040,901	2,317,028	5,167,764	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,506,031	2,359,503	146,528	0	NA	NA
Nuclear Regulatory Commission	49,000	0	49,000	0	NA	NA
Smithsonian Institution	90,000	90,000	0	0	NA	NA
Social Security Administration	53,282	0	53,282	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
United States Information Agency	117	0	117	0	NA	NA
United States International Trade Commission	9,738	0	9,738	0	NA	NA

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[1] The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[5] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency).

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2000

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	79,470,264	18,981,738	17,347,786	43,140,740	NA	NA
Departments:						
Department of Agriculture, total	1,752,045	805,488	815,949	130,608	NA	NA
Agricultural Marketing Service	5,017	0	4,254	763	NA	NA
Agricultural Research Service	901,530	486,826	333,566	81,138	NA	NA
Animal & Plant Health Inspection Service	20,547	0	0	20,547	NA	NA
Cooperative State Rsch, Ed, & Extension Svc	546,455	224,047	322,408	0	NA	NA
Economic Research Service	65,363	6,536	58,827	0	NA	NA
Food Safety Inspection Service	145	125	0	20	NA	NA
Foreign Agricultural Service	1,422	865	557	0	NA	NA
Forest Service	201,000	82,410	90,450	28,140	NA	NA
Grain Inspection Packers & Stockyards Admin	3,410	3,410	0	0	NA	NA
National Agricultural Statistics Service	3,856	1,269	2,587	0	NA	NA
Rural Business-Cooperative Service	3,300	0	3,300	0	NA	NA
Department of Commerce, total	1,041,435	50,095	847,681	143,659	NA	NA
Bureau of the Census	13,000	1,766	2,519	8,715	NA	NA
Economic Development Administration	550	0	550	0	NA	NA
National Institute of Standards & Technology	418,373	43,135	276,092	99,146	NA	NA
National Oceanic & Atmospheric Administration	588,777	5,194	564,715	18,868	NA	NA
Nat'l Telecommunications & Information Admin	20,735	0	3,805	16,930	NA	NA
Department of Defense, total	36,875,907	1,105,454	3,393,818	32,376,635	NA	NA
Department of the Air Force	14,246,190	198,933	561,427	13,485,830	707,297	12,778,533
Department of the Army, total	5,444,659	200,880	828,093	4,415,686	NA	NA
Department of the Army, Civil Functions[1]	46,569	3,726	25,612	17,231	NA	NA
Department of the Army, Military Functions	5,398,090	197,154	802,481	4,398,455	856,694	3,541,761
Department of the Navy	9,360,575	355,479	631,720	8,373,376	746,380	7,626,996
Defense Agencies, total	7,548,241	350,162	1,372,578	5,825,501	1,929,783	3,895,718
Ballistic Missile Defense Organization	3,418,190	0	127,459	3,290,731	322,390	2,968,341
Defense Advanced Research Projects Agency	1,794,774	67,971	887,955	838,848	757,747	81,101
Defense Information Systems Agency	99,200	0	2,379	96,821	0	96,821
Defense Logistics Agency	101,746	0	8,080	93,666	42,882	50,784
Defense Threat Reduction Agency	339,379	0	193,773	145,606	145,606	0
Joint Staff	48,967	0	0	48,967	30,598	18,369
Special Operations Command	230,459	0	20,741	209,718	88,082	121,636
Washington Headquarters Services	1,515,526	282,191	132,191	1,101,144	542,478	558,666
Operational Test & Evaluation, Director	28,908	0	0	28,908	0	28,908
Test & Evaluation, Deputy Under Sec of Defense	247,334	0	0	247,334	0	247,334
Department of Education	246,804	2,055	156,340	88,409	NA	NA
Department of Energy	6,305,572	2,251,987	1,888,721	2,164,864	NA	NA
Department of Health & Human Services, total	18,140,350	9,833,452	5,786,161	2,520,737	NA	NA
Administration on Aging	31,688	0	5,000	26,688	NA	NA
Administration for Children & Families	30,487	0	30,487	0	NA	NA
Agency for Healthcare Research and Quality[2]	198,799	0	186,871	11,928	NA	NA
Centers for Disease Control & Prevention	477,115	0	477,115	0	NA	NA
Food & Drug Administration	140,161	0	140,161	0	NA	NA
Health Care Financing Administration	61,800	0	61,800	0	NA	NA
Health Resources & Services Administration	13,049	1,151	11,898	0	NA	NA
National Institutes of Health	16,869,727	9,832,301	4,856,129	2,181,297	NA	NA
Office of the Secretary, total	20,849	0	16,700	4,149	NA	NA
Office of the Asst Sec, Planning & Evaluation	16,700	0	16,700	0	NA	NA
Office of Public Health & Science	4,149	0	0	4,149	NA	NA
Substance Abuse & Mental Health Svcs Admin[3]	296,675	0	0	296,675	NA	NA
Department of Housing & Urban Development	57,815	0	20,720	37,095	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2000

[Dollars in thousands]

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Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of the Interior, total	565,974	51,770	488,077	26,127	NA	NA
Bureau of Reclamation	8,543	0	6,407	2,136	NA	NA
Geological Survey	501,876	51,270	426,615	23,991	NA	NA
Minerals Management Service	28,903	0	28,903	0	NA	NA
National Park Service	26,652	500	26,152	0	NA	NA
Department of Justice, total	106,416	21,705	25,307	59,404	NA	NA
Bureau of Prisons	6,368	0	2,900	3,468	NA	NA
Federal Bureau of Investigation	36,396	0	0	36,396	NA	NA
Immigration & Naturalization Service	650	0	0	650	NA	NA
Office of Justice Programs	63,002	21,705	22,407	18,890	NA	NA
Department of Labor, total	60,997	11,000	19,204	30,793	NA	NA
Bureau of Labor Statistics	12,300	11,000	1,300	0	NA	NA
Employment & Training Administration	37,197	0	9,260	27,937	NA	NA
Occupational Safety & Health Administration	4,375	0	4,375	0	NA	NA
Office of the Secretary	2,998	0	800	2,198	NA	NA
Pension Benefit Guaranty Corporation	713	0	55	658	NA	NA
Pension & Welfare Benefits Administration	3,414	0	3,414	0	NA	NA
Department of State[4]	1,500	0	1,500	0	NA	NA
Department of Transportation, total	700,138	63,710	448,529	187,899	NA	NA
Coast Guard	21,075	0	5,269	15,806	NA	NA
Federal Aviation Administration	216,282	0	156,495	59,787	NA	NA
Federal Highway Administration	357,036	63,710	200,437	92,889	NA	NA
Federal Railroad Administration	27,566	0	26,655	911	NA	NA
Federal Transit Administration	16,864	0	3,700	13,164	NA	NA
National Highway Traffic Safety Admin	50,569	0	50,569	0	NA	NA
Office of the Secretary	3,671	0	0	3,671	NA	NA
Research & Special Programs Administration	7,075	0	5,404	1,671	NA	NA
Department of the Treasury, total	58,565	28	49,833	8,704	NA	NA
Bureau of Engraving & Printing	2,685	28	2,554	103	NA	NA
Internal Revenue Service	51,854	0	46,159	5,695	NA	NA
Office of Thrift Supervision	153	0	153	0	NA	NA
United States Customs Service	1,851	0	0	1,851	NA	NA
United States Mint	1,055	0	0	1,055	NA	NA
United States Secret Service	967	0	967	0	NA	NA
Department of Veterans Affairs	366,706	160,527	198,820	7,359	NA	NA
Other agencies:						
Appalachian Regional Commission	625	0	625	0	NA	NA
Environmental Protection Agency	536,785	58,098	387,187	91,500	NA	NA
Federal Communications Commission	3,936	0	3,936	0	NA	NA
Federal Trade Commission	1,200	0	1,200	0	NA	NA
International Development Cooperation Agency, total	221,288	0	173,248	48,040	NA	NA
Agency for International Development[5]	221,288	0	173,248	48,040	NA	NA
Library of Congress	1,891	0	544	1,347	NA	NA
National Aeronautics & Space Administration	9,568,073	1,977,760	2,372,753	5,217,560	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,655,593	2,491,609	163,984	0	NA	NA
Nuclear Regulatory Commission	53,000	0	53,000	0	NA	NA
Smithsonian Institution	97,000	97,000	0	0	NA	NA
Social Security Administration	40,300	0	40,300	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2000

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
United States Information Agency	89	0	89	0	NA	NA
United States International Trade Commission	10,140	0	10,140	0	NA	NA

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[1] The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[5] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2001

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	81,526,179	20,274,385	18,413,719	42,838,075	NA	NA
Departments:						
Department of Agriculture, total	1,779,318	828,368	809,601	141,349	NA	NA
Agricultural Marketing Service	5,317	0	4,554	763	NA	NA
Agricultural Research Service	968,658	523,075	358,404	87,179	NA	NA
Animal & Plant Health Inspection Service	21,347	0	0	21,347	NA	NA
Cooperative State Rsch, Ed, & Extension Svc	483,045	198,048	284,997	0	NA	NA
Economic Research Service	55,424	5,542	49,882	0	NA	NA
Food Safety Inspection Service	125	125	0	0	NA	NA
Foreign Agricultural Service	1,422	865	557	0	NA	NA
Forest Service	229,000	93,890	103,050	32,060	NA	NA
Grain Inspection Packers & Stockyards Admin	5,554	5,554	0	0	NA	NA
National Agricultural Statistics Service	3,856	1,269	2,587	0	NA	NA
Rural Business-Cooperative Service	5,570	0	5,570	0	NA	NA
Department of Commerce, total	1,127,003	65,015	877,265	184,723	NA	NA
Bureau of the Census	300	41	71	188	NA	NA
Economic Development Administration	550	0	550	0	NA	NA
National Institute of Standards & Technology	481,011	59,780	304,922	116,309	NA	NA
National Oceanic & Atmospheric Administration	591,166	5,194	562,865	23,107	NA	NA
Nat'l Telecommunications & Information Admin	53,976	0	8,857	45,119	NA	NA
Department of Defense, total	36,396,615	1,213,457	3,196,847	31,986,311	NA	NA
Department of the Air Force	13,745,649	206,916	590,910	12,947,823	639,002	12,308,821
Department of the Army, total	5,310,714	204,286	639,015	4,467,413	NA	NA
Department of the Army, Civil Functions[1]	52,122	3,127	27,104	21,891	NA	NA
Department of the Army, Military Functions	5,258,592	201,159	611,911	4,445,522	500,579	3,944,943
Department of the Navy	8,748,643	396,089	532,826	7,819,728	551,419	7,268,309
Defense Agencies, total	8,375,905	406,166	1,434,096	6,535,643	1,884,652	4,650,991
Ballistic Missile Defense Organization	3,940,363	0	49,029	3,891,334	246,783	3,644,551
Defense Advanced Research Projects Agency	1,940,719	86,036	992,713	861,970	779,707	82,263
Defense Information Systems Agency	191,564	0	293	191,271	0	191,271
Defense Logistics Agency	86,565	0	8,776	77,789	37,083	40,706
Defense Threat Reduction Agency	366,817	0	228,470	138,347	138,347	0
Joint Staff	75,262	0	0	75,262	51,167	24,095
Special Operations Command	234,881	0	21,130	213,751	92,505	121,246
Washington Headquarters Services	1,539,734	320,130	133,685	1,085,919	539,060	546,859
Operational Test & Evaluation, Director	176,017	0	0	176,017	0	176,017
Test & Evaluation, Deputy Under Sec of Defense	39,687	0	0	39,687	0	39,687
Department of Education	307,332	2,244	185,103	119,985	NA	NA
Department of Energy	6,793,467	2,383,646	2,139,984	2,269,837	NA	NA
Department of Health & Human Services, total	19,234,564	10,398,215	6,150,170	2,686,179	NA	NA
Administration on Aging	31,688	0	5,000	26,688	NA	NA
Administration for Children & Families	31,860	0	31,860	0	NA	NA
Agency for Healthcare Research and Quality[2]	250,000	0	235,000	15,000	NA	NA
Centers for Disease Control & Prevention	517,978	0	517,978	0	NA	NA
Food & Drug Administration	160,876	0	160,876	0	NA	NA
Health Care Financing Administration	55,000	0	55,000	0	NA	NA
Health Resources & Services Administration	13,062	1,151	11,911	0	NA	NA
National Institutes of Health	17,870,379	10,397,064	5,115,545	2,357,770	NA	NA
Office of the Secretary, total	21,565	0	17,000	4,565	NA	NA
Office of the Asst Sec, Planning & Evaluation	17,000	0	17,000	0	NA	NA
Office of Public Health & Science	4,565	0	0	4,565	NA	NA
Substance Abuse & Mental Health Svcs Admin[3]	282,156	0	0	282,156	NA	NA
Department of Housing & Urban Development	62,650	0	22,571	40,079	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of the Interior, total	619,387	55,933	526,634	36,820	NA	NA
Bureau of Reclamation	8,865	0	6,649	2,216	NA	NA
Geological Survey	553,792	55,433	463,755	34,604	NA	NA
Minerals Management Service	28,728	0	28,728	0	NA	NA
National Park Service	28,002	500	27,502	0	NA	NA
Department of Justice, total	102,837	19,505	16,945	66,387	NA	NA
Bureau of Prisons	6,563	0	3,000	3,563	NA	NA
Federal Bureau of Investigation	41,449	0	0	41,449	NA	NA
Immigration & Naturalization Service	600	0	0	600	NA	NA
Office of Justice Programs	54,225	19,505	13,945	20,775	NA	NA
Department of Labor, total	65,950	11,000	21,834	33,116	NA	NA
Bureau of Labor Statistics	12,300	11,000	1,300	0	NA	NA
Employment & Training Administration	38,850	0	11,727	27,123	NA	NA
Occupational Safety & Health Administration	4,990	0	4,990	0	NA	NA
Office of the Secretary	5,340	0	0	5,340	NA	NA
Pension Benefit Guaranty Corporation	710	0	57	653	NA	NA
Pension & Welfare Benefits Administration	3,760	0	3,760	0	NA	NA
Department of State[4]	1,500	0	1,500	0	NA	NA
Department of Transportation, total	866,061	90,269	562,577	213,215	NA	NA
Coast Guard	20,352	0	5,088	15,264	NA	NA
Federal Aviation Administration	264,814	0	184,366	80,448	NA	NA
Federal Highway Administration	426,918	90,269	237,551	99,098	NA	NA
Federal Railroad Administration	25,450	0	24,669	781	NA	NA
Federal Transit Administration	15,214	0	3,824	11,390	NA	NA
National Highway Traffic Safety Admin	95,258	0	95,258	0	NA	NA
Office of the Secretary	4,658	0	0	4,658	NA	NA
Research & Special Programs Administration	13,397	0	11,821	1,576	NA	NA
Department of the Treasury, total	67,759	28	59,819	7,912	NA	NA
Bureau of Engraving & Printing	2,685	28	2,554	103	NA	NA
Internal Revenue Service	62,506	0	56,007	6,499	NA	NA
Office of Thrift Supervision	163	0	163	0	NA	NA
United States Mint	1,310	0	0	1,310	NA	NA
United States Secret Service	1,095	0	1,095	0	NA	NA
Department of Veterans Affairs	367,000	160,656	198,979	7,365	NA	NA
Other agencies:						
Appalachian Regional Commission	750	0	750	0	NA	NA
Environmental Protection Agency	530,053	57,762	381,591	90,700	NA	NA
Federal Communications Commission	3,525	0	3,525	0	NA	NA
Federal Trade Commission	1,414	0	1,414	0	NA	NA
International Development Cooperation Agency, total	216,929	0	165,776	51,153	NA	NA
Agency for International Development[5]	216,929	0	165,776	51,153	NA	NA
Library of Congress	2,050	0	551	1,499	NA	NA
National Aeronautics & Space Administration	9,602,367	1,898,266	2,802,656	4,901,445	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,179,928	2,987,021	192,907	0	NA	NA
Nuclear Regulatory Commission	53,000	0	53,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 2001

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Smithsonian Institution	103,000	103,000	0	0	NA	NA
Social Security Administration	41,600	0	41,600	0	NA	NA

[1] The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[5] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-8. Federal obligations for total research and development, by agency and performer: fiscal year 1999

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	75,340.6	18,084.7	31,901.7	1,328.0	14,959.1	3,896.4	3,608.7	913.2	357.5	291.4
Departments:										
Department of Agriculture, total	1,614.1	1,082.7	18.5	.0	491.8	.0	13.7	.0	3.6	3.8
Agricultural Marketing Service	4.7	4.4	.0	.0	.3	.0	.0	.0	-	.0
Agricultural Research Service	855.1	802.6	.0	.0	45.8	.0	3.1	.0	.0	3.5
Animal & Plant Hlth Inspection Svc	20.4	14.3	.0	.0	6.1	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service	462.5	26.1	13.9	.0	414.6	.0	6.3	.0	1.8	.0
Economic Research Service	62.5	52.6	4.4	.0	3.5	.0	2.0	.0	.0	-
Food Safety Inspection Service	.7	.6	.0	.0	.0	.0	-	.0	.0	.0
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	197.0	173.8	.2	.0	19.9	.0	1.1	.0	1.8	.2
Grain Inspection Packers & Stockyards Administration	2.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.6	3.3	.0	.0	.2	.0	.1	.0	.0	.0
Rural Business-Cooperative Service	3.5	1.4	.0	.0	.8	.0	1.3	.0	.0	.0
Department of Commerce, total	990.2	713.2	158.1	.1	102.1	.1	10.2	-	5.5	1.0
Bureau of the Census	15.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.6	.1	.2	.0	.3	.0	.0	.0	.0	.0
Nat'l Inst of Standards & Tech	402.2	231.9	156.2	.1	12.6	-	1.2	-	.0	.2
Nat'l Oceanic & Atmospheric Admin	547.2	458.6	1.7	.0	84.4	.1	1.2	.0	.5	.8
National Telecommunications & Information Administration	25.2	7.6	.0	.0	4.8	.0	7.8	.0	5.0	.0
Department of Defense, total	35,645.9	8,557.2	24,620.5	79.1	1,474.0	275.9	182.9	358.4	13.0	85.1
Department of Defense, research	4,142.3	1,486.1	1,424.6	17.3	989.0	76.8	91.0	27.1	7.3	23.1
Dept of Defense, development, total	31,503.6	7,071.2	23,195.9	61.8	485.0	199.0	91.8	331.3	5.6	62.0
Department of Defense, advanced technology development	4,262.2	1,122.0	2,698.0	21.0	230.9	70.6	69.5	41.4	5.5	3.2
Department of Defense, major systems development	27,241.4	5,949.2	20,497.9	40.7	254.1	128.4	22.4	289.9	.1	58.8
Department of the Air Force, research & development (R&D)	14,022.3	1,156.1	12,530.4	21.5	121.5	14.9	17.9	145.1	5.5	9.4
Department of the Army, R&D	5,038.9	2,135.6	2,628.7	4.5	131.9	43.1	24.5	53.8	7.5	9.3
Department of the Navy, R&D	8,826.8	3,242.0	4,956.4	4.6	445.3	23.7	63.9	75.6	.0	15.3
Defense Agencies, R&D, total	7,455.9	1,907.6	4,346.3	48.4	772.6	194.1	76.6	59.1	.0	51.1
Ballistic Missile Defense Organization, R&D	3,186.2	609.3	2,363.3	21.4	75.3	55.8	.7	17.5	.0	41.4
Defense Advanced Research Projects Agency, R&D	1,947.2	194.9	1,152.4	12.2	410.0	87.9	60.3	23.8	.0	5.7
Defense Information Systems Agency, R&D	123.8	51.0	58.0	.0	.0	.3	6.8	7.7	.0	.0
Defense Logistics Agency, R&D	72.1	43.0	21.5	.0	3.5	.2	.6	3.3	.0	0
Defense Threat Reduction Agency, R&D	342.6	95.1	233.0	2.3	5.2	.5	2.2	.4	.0	4.0
Joint Staff, R&D	159.5	159.5	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	200.7	74.9	124.0	.0	1.8	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	1,423.7	680.0	394.2	12.5	275.2	49.5	6.0	6.4	.0	-
Operational Test & Evaluation, R&D, Director	44.7	8.5	16.2	.0	.0	.0	.0	20.0	.0	.0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	257.3	107.4	142.5	-	2.6	.0	.0	4.8	.0	.0
Department of Education	223.7	16.8	14.1	.0	134.6	.0	57.5	.0	.7	.0
Department of Energy	6,009.7	578.5	977.8	1,074.6	630.3	2,139.0	87.0	515.8	4.4	2.3

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Federal obligations for total research and development, by agency and performer: fiscal year 1999

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	15,914.7	3,128.2	983.3	152.4	8,983.1	37.1	2,457.9	19.6	104.2	48.9
Administration on Aging	18.5	.5	1.6	.0	1.3	.0	8.5	.0	6.6	.0
Admin for Children & Families	24.9	1.7	2.5	.0	10.0	.0	9.1	.0	1.6	-
Agency for Healthcare Research and Quality[2]	182.3	56.8	43.3	.0	50.6	.0	31.6	.0	.0	.0
Centers for Disease Control & Prevention	433.3	294.3	1.4	.0	95.5	.0	36.7	.0	5.5	.0
Food & Drug Administration	130.8	108.3	2.6	.0	14.6	.0	4.5	.0	.6	.2
Health Care Financing Admin	49.7	-	29.9	.0	5.0	.0	12.4	.0	2.0	.3
Health Resources & Services Admin	12.8	2.8	.0	.0	8.0	.0	2.0	.0	.0	.0
National Institutes of Health	14,755.4	2,662.0	695.5	152.4	8,761.5	37.1	2,300.6	19.6	78.5	48.3
Office of the Secretary, total	17.7	1.8	.6	.0	8.0	.0	6.3	.0	1.0	.0
Office of the Assistant Secretary, Planning & Evaluation	13.9	1.5	.6	.0	4.6	.0	6.3	.0	1.0	.0
Office of Public Hlth & Science	3.8	.3	.0	.0	3.4	.0	.0	.0	.0	.0
Substance Abuse & Mental Health Services Administration[3]	289.3	-	206.1	.0	28.6	.0	46.3	.0	8.4	.0
Dept of Housing & Urban Development	57.0	32.2	11.6	.0	1.0	.0	12.1	.0	.0	.0
Department of the Interior, total	641.5	568.3	15.8	.0	47.8	.0	1.7	.0	6.0	1.9
Bureau of Reclamation	10.3	7.2	.0	.0	2.2	.0	.2	.0	.6	.0
Geological Survey	579.1	541.6	5.5	.0	26.6	.0	.0	.0	5.3	.0
Minerals Management Service	28.8	7.0	9.0	.0	9.9	.0	.8	.0	.1	1.9
National Park Service	23.4	12.4	1.3	.0	9.1	.0	.6	.0	.0	-
Department of Justice, total	118.6	42.0	5.0	5.4	22.9	.0	17.9	.4	25.0	.0
Bureau of Prisons	11.0	3.0	.0	.0	.0	.0	.0	.0	8.0	.0
Federal Bureau of Investigation	36.3	36.3	.0	.0	0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	71.1	2.4	5.0	5.4	22.9	.0	17.9	.4	17.1	.0
Department of Labor, total	54.1	19.3	3.9	.0	5.3	.0	25.7	.0	.0	.0
Bureau of Labor Statistics	12.4	8.4	.0	.0	4.0	.0	.0	.0	.0	.0
Employment & Training Admin	33.8	8.2	.0	.0	1.1	.0	24.5	.0	.0	.0
Occupational Safety & Health Admin	3.8	1.4	2.3	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	1.0	.2	.6	.0	.1	.0	.0	.0	.0	.0
Pension Benefit Guaranty Corp	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	2.5	.7	.5	.0	.2	.0	1.1	.0	.0	.0
Department of State[4]	1.5	.5	1.0	.0	.0	-	.0	.0	.0	.0
Department of Transportation, total	667.0	215.6	213.6	.9	52.6	1.0	13.6	5.1	163.9	.7
Coast Guard	20.3	14.4	5.5	.4	.0	.0	.0	.0	.0	.0
Federal Aviation Administration	205.3	94.1	90.8	.0	15.4	.0	.0	5.1	.0	.0
Federal Highway Administration	333.2	53.5	91.6	.5	18.1	.9	8.9	.0	159.7	-
Federal Railroad Administration	20.9	10.8	8.6	.0	1.3	.0	.0	.0	.0	.3
Federal Transit Administration	20.5	2.4	2.3	.0	11.9	.0	3.9	.0	.0	.0
Nat'l Highway Traffic Safety Admin	50.4	30.8	12.9	.0	5.9	.0	4	.0	.0	.4
Office of the Secretary	9.1	4.9	.1	.0	.0	.0	.0	.0	4.2	.0
Research & Special Programs Admin	7.3	4.8	1.8	.0	.1	.1	.5	.0	.0	.0
Department of the Treasury, total	64.7	41.8	23.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Engraving & Printing	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	55.8	38.1	17.8	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	5.3	1.0	4.3	.0	.0	.0	.0	.0	.0	.0
United States Mint	.8	.1	.7	.0	.0	.0	.0	.0	.0	.0
United States Secret Service	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	339.1	339.1	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Federal obligations for total research and development, by agency and performer: fiscal year 1999

[Dollars in millions]

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Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies										
Appalachian Regional Commission	8	-	.4	.0	.4	.0	1	.0	.0	.0
Environmental Protection Agency	552.8	211.2	150.0	.0	127.8	.0	53.3	.0	9.3	1.2
Federal Communications Commission	4.5	4.5	.0	.0	0	0	0	.0	.0	.0
Federal Trade Commission	1.3	1.3	.0	.0	0	0	0	.0	.0	.0
International Development Cooperation Agency, total	203.0	21.9	10.0	.0	13.0	.0	138.2	0	.0	19.9
Agcy for International Dvlpmt[5]	203.0	21.9	10.0	.0	13.0	0	138.2	.0	.0	19.9
Library of Congress	2.4	1.8	.6	.0	-	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	9,525.7	2,370.2	4,565.4	9	786.6	1,286.0	386.3	8.0	11.1	111.2
National Archives & Records Admin	1	.1	.0	.0	.0	0	0	0	.0	.0
National Science Foundation	2,506.0	21.4	89.2	1	2,076.4	153.1	146.5	8	5.3	13.4
Nuclear Regulatory Commission	49.0	14.7	3.4	14.6	4.5	4.4	4	5.1	.0	2.0
Smithsonian Institution	90.0	90.0	.0	.0	0	.0	.0	.0	.0	.0
Social Security Administration	53.3	2.4	36.6	.0	5.0	0	3.9	0	5.5	.0
United States Information Agency	.1	.1	0	.0	.0	.0	.0	.0	.0	.0
US International Trade Commission	9.7	9.7	.0	.0	0	.0	.0	0	.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[5] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:

- = Amount less than 50 thousand dollars

FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2000

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	79,470.3	19,072.8	32,815.0	1,335.5	16,612.1	3,992.6	4,047.1	898.2	389.6	307.5
Departments										
Department of Agriculture, total	1,752.0	1,133.9	16.5	.0	580.6	.0	13.9	.0	3.6	3.5
Agricultural Marketing Service	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service	901.5	840.6	.0	.0	54.6	.0	3.1	.0	.0	3.3
Animal & Plant Hlth Inspection Svc	20.5	17.5	.0	.0	3.0	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service	546.5	30.7	12.9	.0	494.8	.0	6.3	.0	1.8	.0
Economic Research Service	65.4	52.9	3.5	.0	7.0	.0	2.0	.0	.0	.0
Food Safety Inspection Service	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	201.0	177.8	.2	.0	19.9	.0	1.1	.0	1.8	.2
Grain Inspection Packers & Stockyards Administration	3.4	3.4	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.5	.0	.0	.3	.0	-	.0	.0	.0
Rural Business-Cooperative Service	3.3	1.5	.0	.0	.3	.0	1.5	.0	.0	.0
Department of Commerce, total	1,041.4	753.2	171.6	.1	104.6	-	7.5	-	4.2	.2
Bureau of the Census	13.0	13.0	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.6	.1	.3	.0	.0	.0	.2	.0	.0	.0
Nat'l Inst of Standards & Tech	418.4	234.1	169.6	.1	12.9	-	1.4	-	.0	.2
Nat'l Oceanic & Atmospheric Admin	588.8	498.3	1.8	.0	88.1	.0	.1	.0	4	.0
National Telecommunications & Information Administration	20.7	7.7	.0	.0	3.5	.0	5.7	.0	3.8	.0
Department of Defense, total	36,875.9	9,080.8	25,204.2	111.3	1,522.5	276.3	218.3	357.1	11.9	93.4
Department of Defense, research	4,499.3	1,609.6	1,559.2	24.5	1,064.1	80.1	105.1	30.3	8.2	18.2
Dept of Defense, development, total	32,376.6	7,471.2	23,645.0	86.7	458.4	196.2	113.3	326.8	3.7	75.3
Department of Defense, advanced technology development	4,257.4	1,206.5	2,540.8	13.6	266.4	64.6	92.3	64.8	3.6	4.7
Department of Defense, major systems development	28,119.3	6,264.8	21,104.2	73.2	192.0	131.6	20.9	262.0	-	70.6
Department of the Air Force, research & development (R&D)	14,246.2	1,303.0	12,548.1	38.8	116.3	15.6	23.7	173.6	3.5	23.5
Department of the Army, R&D	5,444.7	2,160.9	2,902.0	2.7	208.9	51.3	53.9	49.8	8.3	6.8
Department of the Navy, R&D	9,360.6	3,575.6	5,139.3	6.8	447.2	35.1	65.7	69.3	.0	21.6
Defense Agencies, R&D, total	7,548.2	1,937.0	4,465.2	62.9	747.8	174.3	75.0	44.5	-	41.6
Ballistic Missile Defense Organization, R&D	3,418.2	654.6	2,572.3	40.2	44.2	56.6	1.2	14.4	.0	34.7
Defense Advanced Research Projects Agency, R&D	1,794.8	180.0	1,042.1	11.5	397.4	81.0	55.0	21.9	.0	5.7
Defense Information Systems Agency, R&D	99.2	48.0	41.1	.0	.0	.0	6.2	4.0	.0	.0
Defense Logistics Agency, R&D	101.7	72.3	24.9	.0	2.9	.0	.8	.8	.0	.0
Defense Threat Reduction Agency, R&D	339.4	130.8	197.2	2.4	5.5	.1	1.7	.5	.0	1.1
Joint Staff, R&D	49.0	49.0	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	230.5	82.4	146.8	.0	1.3	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	1,515.5	719.9	440.9	8.8	296.5	36.6	10.1	2.8	-	.0
Operational Test & Evaluation, R&D, Director	28.9	6.5	7.4	.0	.0	.0	.0	15.0	.0	.0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	247.3	97.9	142.2	-	2.3	.0	.0	4.9	.0	.0
Department of Education	246.8	21.2	14.6	.0	146.8	.0	63.4	.0	.8	.0
Department of Energy	6,305.6	772.8	1,053.7	1,026.9	641.5	2,220.5	85.5	499.3	3.6	1.9

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2000

[Dollars in millions]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	18,140.4	3,472.8	1,104.0	175.4	10,321.8	43.1	2,818.2	22.2	126.6	56.2
Administration on Aging	31.7	.5	1.0	.0	4.4	.0	11.1	.0	14.6	.0
Admin for Children & Families	30.5	1.2	2.9	.0	12.7	.0	11.4	.0	2.3	-
Agency for Healthcare Research and Quality [2]	198.8	62.4	46.7	.0	56.1	.0	33.6	.0	.0	.0
Centers for Disease Control & Prevention	477.1	337.5	1.0	.0	95.5	.0	36.7	.0	6.3	.0
Food & Drug Administration	140.2	116.4	3.0	.0	15.0	.0	5.0	.0	.6	.2
Health Care Financing Admin	61.8	-	37.5	.0	6.1	.0	15.4	.0	2.5	.4
Health Resources & Services Admin	13.0	2.7	.0	.0	8.3	.0	2.1	.0	.0	.0
National Institutes of Health	16,869.7	2,949.9	800.5	175.4	10,084.7	43.1	2,648.0	22.2	90.3	55.6
Office of the Secretary, total	20.8	2.2	.7	.0	9.3	.0	7.5	.0	1.2	.0
Office of the Assistant Secretary, Planning & Evaluation	16.7	1.8	.7	.0	5.5	.0	7.5	.0	1.2	.0
Office of Public Hlth & Science	4.1	.4	.0	.0	3.8	.0	.0	.0	.0	.0
Substance Abuse & Mental Health Services Administration [3]	296.7	-	210.6	.0	29.7	.0	47.5	.0	8.9	.0
Dept of Housing & Urban Development	57.8	33.1	11.2	.0	1.0	.0	12.5	.0	.0	.0
Department of the Interior, total	566.0	495.1	15.9	.0	46.8	.0	1.4	.0	4.8	1.8
Bureau of Reclamation	8.5	6.3	.0	.0	1.9	.0	.2	.0	.2	.0
Geological Survey	501.9	468.8	4.3	.0	24.2	.0	.0	.0	4.6	.0
Minerals Management Service	28.9	7.3	10.3	.0	8.9	.0	.6	.0	.1	1.8
National Park Service	26.7	12.8	1.3	.0	11.8	.0	.7	.0	.0	.0
Department of Justice, total	106.4	39.6	4.9	5.4	18.1	.0	21.8	.4	16.1	.0
Bureau of Prisons	6.4	3.0	.0	.0	.0	.0	.0	.0	3.4	.0
Federal Bureau of Investigation	36.4	36.4	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.7	.2	.5	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	63.0	-	4.5	5.4	18.1	.0	21.8	.4	12.8	.0
Department of Labor, total	61.0	19.9	6.7	.0	5.4	.0	29.0	.0	.0	.0
Bureau of Labor Statistics	12.3	8.4	.0	.0	3.9	.0	.0	.0	.0	.0
Employment & Training Admin	37.2	8.8	.0	.0	1.1	.0	27.3	.0	.0	.0
Occupational Safety & Health Admin	4.4	1.5	2.9	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	3.0	.1	2.7	.0	.1	.0	.0	.0	.0	.0
Pension Benefit Guaranty Corp	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	3.4	.8	.7	.0	.2	.0	1.7	.0	.0	.0
Department of State [4]	1.5	.5	1.0	.0	.0	-	.0	.0	.0	.0
Department of Transportation, total	700.1	207.8	227.2	3.0	58.5	.3	13.3	5.4	184.0	.8
Coast Guard	21.1	15.0	5.8	.3	.0	.0	.0	.0	.0	.0
Federal Aviation Administration	216.3	99.7	96.8	.0	15.0	.0	.0	4.8	.0	.0
Federal Highway Administration	357.0	39.5	95.8	2.7	29.3	.3	9.8	.6	179.1	.0
Federal Railroad Administration	27.6	11.4	13.9	.0	2.0	.0	.0	.0	.0	.3
Federal Transit Administration	16.9	2.5	1.0	.0	6.1	.0	2.5	.0	4.9	.0
Nat'l Highway Traffic Safety Admin	50.6	31.9	11.6	.0	6.1	.0	.5	.0	.0	.5
Office of the Secretary	3.7	3.7	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	7.1	4.3	2.3	-	.0	.0	.5	.0	.0	.0
Department of the Treasury, total	58.6	44.2	14.4	.0	.0	.0	.0	.0	.0	.0
Bureau of Engraving & Printing	2.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	51.9	39.5	12.3	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	1.9	1.0	.9	.0	.0	.0	.0	.0	.0	.0
United States Mint	1.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0
United States Secret Service	1.0	.8	.2	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	366.7	366.7	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2000

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Total	Intra-mural [1]	Extramural								
			United States and territories								Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts		
Other agencies											
Appalachian Regional Commission	.6	-	.3	.0	.3	.0	-	.0	.0		.0
Environmental Protection Agency	536.8	126.7	179.8	.0	153.5	.0	63.9	.0	11.3		1.6
Federal Communications Commission	3.9	3.9	.0	.0	.0	.0	.0	.0	.0		.0
Federal Trade Commission	1.2	1.2	.0	.0	.0	.0	.0	.0	.0		.0
International Development Cooperation Agency, total	221.3	24.8	10.9	.0	14.0	.0	150.3	.0	.0		21.3
Agcy for International Dvlpmt [5]	221.3	24.8	10.9	.0	14.0	.0	150.3	.0	.0		21.3
Library of Congress	1.9	1.4	.5	.0	-	.0	.0	.0	.0		.0
National Aeronautics & Space Admin	9,568.1	2,317.8	4,660.2	.9	786.6	1,286.0	384.8	9.5	11.1		111.2
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0		.0
National Science Foundation	2,655.6	22.6	96.2	.1	2,199.5	161.6	155.0	.8	5.7		14.1
Nuclear Regulatory Commission	53.0	22.7	3.4	12.5	4.3	4.8	.5	3.5	.0		1.4
Smithsonian Institution	97.0	97.0	.0	.0	.0	.0	.0	.0	.0		.0
Social Security Administration	40.3	2.5	17.7	.0	6.2	.0	7.9	.0	6.0		.0
United States Information Agency	.1	.1	.0	.0	.0	.0	.0	.0	.0		.0
US International Trade Commission	10.1	10.1	.0	.0	.0	.0	.0	.0	.0		.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[5] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
- = Amount less than 50 thousand dollars
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SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2001

[Dollars in millions]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	81,526.2	19,352.4	33,026.2	1,385.5	17,723.6	4,189.1	4,175.6	978.0	410.7	284.9
Departments:										
Department of Agriculture, total	1,779.3	1,250.5	10.9	.0	501.5	.0	9.3	.0	3.3	3.8
Agricultural Marketing Service	5.3	5.3	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service	968.7	927.9	.0	.0	34.1	.0	3.1	.0	.0	3.6
Animal & Plant Hlth Inspection Svc	21.3	18.3	.0	.0	3.0	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service	483.0	29.6	10.8	.0	438.0	.0	3.1	.0	1.5	.0
Economic Research Service	55.4	51.9	.0	.0	3.5	.0	.0	.0	.0	.0
Food Safety Inspection Service	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	229.0	205.8	.2	.0	19.9	.0	1.1	.0	1.8	.2
Grain Inspection Packers & Stockyards Administration	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.5	.0	.0	.3	.0	-	.0	.0	.0
Rural Business-Cooperative Service	5.6	1.6	.0	.0	2.0	.0	2.0	.0	.0	.0
Department of Commerce, total	1,127.0	775.8	187.5	.1	126.9	-	24.1	-	12.4	.2
Bureau of the Census	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.6	.1	.1	.0	.2	.0	.2	.0	.0	.0
Nat'l Inst of Standards & Tech	481.0	257.3	185.8	.1	31.9	-	5.7	-	.0	.2
Nat'l Oceanic & Atmospheric Admin	591.2	505.2	1.6	.0	83.7	.0	.2	.0	.5	.0
National Telecommunications & Information Administration	54.0	13.0	.0	.0	11.1	.0	18.0	.0	11.9	.0
Department of Defense, total	36,396.6	8,578.8	25,302.3	109.8	1,533.8	254.3	154.3	386.6	10.4	66.4
Department of Defense, research	4,410.3	1,496.1	1,548.3	23.4	1,116.6	77.3	94.7	29.1	7.5	17.4
Dept of Defense, development, total	31,986.3	7,082.7	23,754.0	86.3	417.2	177.0	59.6	357.5	2.9	49.0
Department of Defense, advanced technology development	3,597.5	972.4	2,197.2	15.0	208.5	65.2	40.3	94.2	2.9	2.0
Department of Defense, major systems development	28,388.8	6,110.4	21,556.8	71.4	208.7	111.8	19.2	263.3	.1	47.1
Department of the Air Force, research & development (R&D)	13,745.6	1,083.5	12,269.1	45.9	114.5	17.2	14.8	194.5	2.8	3.3
Department of the Army, R&D	5,310.7	2,072.4	2,989.2	2.2	128.1	35.6	22.0	50.6	7.6	3.0
Department of the Navy, R&D	8,748.6	3,346.0	4,804.8	3.7	442.9	21.1	41.6	68.8	.0	19.7
Defense Agencies, R&D, total	8,375.9	1,990.2	5,135.4	57.9	845.5	180.3	75.9	50.3	.1	40.3
Ballistic Missile Defense Organization, R&D	3,940.4	741.6	3,016.6	32.4	49.5	55.6	1.2	10.0	.0	33.6
Defense Advanced Research Projects Agency, R&D	1,940.7	192.9	1,115.7	12.6	441.7	88.0	59.7	23.6	.0	6.4
Defense Information Systems Agency, R&D	191.6	62.9	110.1	.0	.0	.0	8.7	9.8	.0	.0
Defense Logistics Agency, R&D	86.6	52.8	29.2	.0	3.8	.2	.2	.3	.0	.0
Defense Threat Reduction Agency, R&D	366.8	99.9	261.4	2.5	1.6	-	1.0	.1	.0	.4
Joint Staff, R&D	75.3	75.3	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	234.9	72.2	161.4	.0	1.3	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	1,539.7	692.7	441.0	10.4	347.6	36.4	5.0	6.4	.1	.0
Operational Test & Evaluation, R&D, Director	176.0	70.9	81.2	-	2.4	.0	.0	21.6	.0	.0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	39.7	15.9	22.5	-	.4	.0	.0	.9	.0	.0
Department of Education	307.3	38.9	20.3	.0	161.2	.0	70.1	.0	16.8	.0
Department of Energy	6,793.5	871.0	1,138.8	1,068.2	706.0	2,399.4	59.7	546.6	3.1	.6

See explanatory information, if any, and SOURCE at end of table.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2001

[Dollars in millions]

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Agency and subdivision	Total	Intra-mural[1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Dept of Health & Human Svcs, total	19,234.6	3,678.1	1,152.2	186.4	10,967.3	45.8	2,989.8	23.6	131.6	59.7
Administration on Aging	31.7	5	1.0	0	4.4	0	11.1	.0	14.6	.0
Admin for Children & Families	31.9	1.2	3.1	0	13.3	0	11.9	0	2.4	-
Agency for Healthcare Research and Quality[2]	250.0	78.5	58.8	.0	70.5	0	42.3	0	.0	.0
Centers for Disease Control & Prevention	518.0	378.6	1.0	.0	95.5	0	36.7	0	6.1	.0
Food & Drug Administration	160.9	133.6	3.5	0	17.0	0	5.8	.0	.7	.3
Health Care Financing Admin	55.0	-	33.3	0	5.5	0	13.7	0	2.2	4
Health Resources & Services Admin	13.1	2.7	0	.0	8.3	0	2.1	.0	.0	.0
National Institutes of Health	17,870.4	3,080.7	850.6	186.4	10,714.8	45.8	2,813.5	23.6	96.0	59.1
Office of the Secretary, total	21.6	2.3	7	0	9.8	0	7.7	0	1.2	.0
Office of the Assistant Secretary, Planning & Evaluation	17.0	1.9	7	.0	5.6	0	7.7	0	1.2	.0
Office of Public Hlth & Science	4.6	4	0	.0	4.2	0	.0	.0	0	.0
Substance Abuse & Mental Health Services Administration[3]	282.2	-	200.3	0	28.2	0	45.1	.0	8.5	.0
Dept of Housing & Urban Development	62.7	35.9	12.1	.0	1.1	0	13.5	0	0	.0
Department of the Interior, total	619.4	545.9	17.6	.0	48.0	0	1.0	.0	5.3	1.5
Bureau of Reclamation	8.9	7.0	.0	.0	1.5	0	.2	.0	.2	.0
Geological Survey	553.8	517.0	5.7	0	26.1	.0	.0	.0	5.0	.0
Minerals Management Service	28.7	7.5	10.7	.0	8.7	0	.2	.0	.1	1.5
National Park Service	28.0	14.4	1.3	.0	11.6	.0	.6	.0	0	.0
Department of Justice, total	102.8	44.7	3.2	3.6	15.4	2.6	21.2	0	12.1	.0
Bureau of Prisons	6.6	3.0	.0	0	.0	0	.0	0	3.6	.0
Federal Bureau of Investigation	41.4	41.4	.0	0	.0	0	.0	0	.0	.0
Immigration & Naturalization Svc	.6	.2	.4	0	.0	0	.0	.0	0	.0
Office of Justice Programs	54.2	-	2.8	3.6	15.4	2.6	21.2	.0	8.6	0
Department of Labor, total	66.0	22.3	9.7	.0	5.6	0	28.3	0	0	.0
Bureau of Labor Statistics	12.3	8.4	0	0	3.9	0	0	0	0	0
Employment & Training Admin	38.9	10.8	0	0	1.4	0	26.6	0	0	0
Occupational Safety & Health Admin	5.0	1.6	3.4	.0	0	0	0	0	0	.0
Office of the Secretary	5.3	.2	5.1	0	0	.0	0	.0	0	0
Pension Benefit Guaranty Corp	.7	.3	.4	0	0	0	.0	0	0	.0
Pension & Welfare Benefits Admin	3.8	1.0	.8	0	.3	0	1.7	.0	0	.0
Department of State[4]	1.5	.5	1.0	0	0	-	.0	.0	.0	.0
Department of Transportation, total	866.1	289.3	310.5	1.1	60.6	.3	17.6	5.0	180.5	1.2
Coast Guard	20.4	14.5	5.6	.3	.0	.0	0	.0	0	.0
Federal Aviation Administration	264.8	111.8	133.0	0	15.0	0	0	5.0	0	0
Federal Highway Administration	426.9	78.0	132.9	.8	24.7	.3	13.7	.0	176.5	0
Federal Railroad Administration	25.5	11.9	12.0	0	1.3	0	0	0	0	.3
Federal Transit Administration	15.2	2.6	.5	0	6.1	0	2.0	0	4.1	.0
Nat'l Highway Traffic Safety Admin	95.3	60.0	22.4	.0	11.0	.0	1.0	0	0	.9
Office of the Secretary	4.7	4.7	0	0	0	0	0	0	0	.0
Research & Special Programs Admin	13.4	5.9	4.1	0	2.5	.0	.9	0	0	.0
Department of the Treasury, total	67.8	52.7	15.1	0	.0	0	0	0	0	.0
Bureau of Engraving & Printing	2.7	2.7	.0	0	.0	0	0	0	0	.0
Internal Revenue Service	62.5	48.9	13.6	0	.0	.0	0	0	0	0
Office of Thrift Supervision	.2	.2	.0	0	0	0	0	0	0	0
United States Mint	1.3	.1	1.3	0	.0	0	0	0	0	0
United States Secret Service	1.1	.9	.2	0	.0	0	.0	.0	.0	.0
Department of Veterans Affairs	367.0	367.0	0	0	.0	0	.0	0	.0	.0

See explanatory information, if any, and SOURCE at end of table

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer: fiscal year 2001

[Dollars in millions]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	.8	-	.3	.0	.4	.0	.1	.0	.0	.0
Environmental Protection Agency	530.1	125.1	177.6	.0	151.6	.0	63.1	.0	11.1	1.6
Federal Communications Commission	3.5	3.5	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	216.9	26.0	10.5	.0	13.7	.0	146.4	.0	.0	20.4
Agcy for International Dvlpmt [5]	216.9	26.0	10.5	.0	13.7	.0	146.4	.0	.0	20.4
Library of Congress	2.1	1.6	.5	.0	-	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	9,602.4	2,496.9	4,515.4	.9	786.6	1,286.0	384.8	9.5	11.1	111.2
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	3,179.9	27.1	114.5	.1	2,634.1	193.8	185.7	1.0	6.8	16.9
Nuclear Regulatory Commission	53.0	14.9	4.1	15.5	3.7	7.1	.5	5.9	.0	1.3
Smithsonian Institution	103.0	103.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration	41.6	1.2	22.2	.0	6.1	.0	6.1	.0	6.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[5] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
- = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	6,137,645	1,328,022	3,896,411	913,212	859,111	172,829	615,542	70,740
Department of Commerce, total	210	100	107	3	0	0	0	0
Nat'l Inst of Standards & Tech	125	100	22	3	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	85	0	85	0	0	0	0	0
Department of Defense, total	713,301	79,087	275,852	358,362	86	86	0	0
Department of the Air Force	181,539	21,533	14,865	145,141	0	0	0	0
Department of the Army	101,382	4,516	43,105	53,761	0	0	0	0
Department of the Navy	103,901	4,572	23,735	75,594	0	0	0	0
Defense Agencies, total	301,718	48,441	194,147	59,130	86	86	0	0
Ballistic Missile Defense Org	94,792	21,446	55,810	17,536	0	0	0	0
Defense Adv Rsch Projects Agcy	123,862	12,181	87,888	23,793	0	0	0	0
Defense Info Systems Agcy	8,012	0	318	7,694	0	0	0	0
Defense Logistics Agency	3,535	0	200	3,335	0	0	0	0
Defense Threat Reduction Agency	3,211	2,311	480	420	0	0	0	0
Washington Headquarters Svcs	68,306	12,503	49,451	6,352	86	86	0	0
Operational Test & Evaluation, Director	19,980	0	0	19,980	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	4,781	25	0	4,756	0	0	0	0
Department of Energy	3,729,452	1,074,617	2,139,007	515,828	818,181	171,701	575,740	70,740
Dept of Health & Human Svcs, total	209,099	152,395	37,073	19,631	1,042	1,042	0	0
National Institutes of Health	209,099	152,395	37,073	19,631	1,042	1,042	0	0
Department of Justice, total	5,800	5,400	0	400	0	0	0	0
Office of Justice Programs	5,800	5,400	0	400	0	0	0	0
Department of State[1]	15	0	15	0	0	0	0	0
Department of Transportation, total	6,991	850	1,001	5,140	0	0	0	0
Coast Guard	400	400	0	0	0	0	0	0
Federal Aviation Administration	5,140	0	0	5,140	0	0	0	0
Federal Highway Administration	1,350	450	900	0	0	0	0	0
Research & Special Programs Admin	101	0	101	0	0	0	0	0
Other agencies								
National Aeronautics & Space Admin	1,294,861	875	1,285,951	8,035	15,100	0	15,100	0
National Science Foundation	153,881	75	153,054	752	24,702	0	24,702	0
Nuclear Regulatory Commission	24,035	14,623	4,351	5,061	0	0	0	0

[1] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development, Fiscal Years 1999, 2000, and 2001.

Table C-12. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	6,226,221	1,335,467	3,992,591	898,163	769,142	154,462	552,769	61,911
Department of Commerce, total	125	100	22	3	0	0	0	0
Nat'l Inst of Standards & Tech	125	100	22	3	0	0	0	0
Department of Defense, total	744,698	111,269	276,349	357,080	1,260	154	624	482
Department of the Air Force	228,054	38,839	15,615	173,600	0	0	0	0
Department of the Army	103,879	2,749	51,325	49,805	0	0	0	0
Department of the Navy	111,176	6,804	35,107	69,265	0	0	0	0
Defense Agencies, total	281,627	62,857	174,302	44,468	1,260	154	624	482
Ballistic Missile Defense Org	111,193	40,160	56,605	14,428	0	0	0	0
Defense Adv Rsch Projects Agcy	114,474	11,511	81,025	21,938	0	0	0	0
Defense Info Systems Agcy	3,956	0	0	3,956	0	0	0	0
Defense Logistics Agency	815	0	0	815	0	0	0	0
Defense Threat Reduction Agency	3,038	2,431	87	520	0	0	0	0
Washington Headquarters Svcs	48,151	8,755	36,585	2,811	1,260	154	624	482
Operational Test & Evaluation, Director	15,042	0	0	15,042	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	4,920	20	0	4,900	0	0	0	0
Department of Energy	3,746,640	1,026,859	2,220,476	499,305	719,698	152,808	505,461	61,429
Dept of Health & Human Svcs, total	240,677	175,410	43,071	22,196	1,500	1,500	0	0
National Institutes of Health	240,677	175,410	43,071	22,196	1,500	1,500	0	0
Department of Justice, total	5,800	5,400	0	400	0	0	0	0
Office of Justice Programs	5,800	5,400	0	400	0	0	0	0
Department of State[1]	15	0	15	0	0	0	0	0
Department of Transportation, total	8,599	2,981	250	5,368	0	0	0	0
Coast Guard	300	300	0	0	0	0	0	0
Federal Aviation Administration	4,774	0	0	4,774	0	0	0	0
Federal Highway Administration	3,516	2,672	250	594	0	0	0	0
Research & Special Programs Admin	9	9	0	0	0	0	0	0
Other agencies								
National Aeronautics & Space Admin	1,296,323	875	1,285,951	9,497	17,138	0	17,138	0
National Science Foundation	162,498	80	161,624	794	29,546	0	29,546	0
Nuclear Regulatory Commission	20,846	12,493	4,833	3,520	0	0	0	0

[1] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-13. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	6,552,715	1,385,534	4,189,134	978,047	870,933	321,611	469,547	79,775
Department of Commerce, total	125	100	22	3	0	0	0	0
Nat'l Inst of Standards & Tech	125	100	22	3	0	0	0	0
Department of Defense, total	750,632	109,753	254,280	386,599	1,270	164	624	482
Department of the Air Force	257,628	45,941	17,218	194,469	0	0	0	0
Department of the Army	88,436	2,215	35,583	50,638	0	0	0	0
Department of the Navy	93,616	3,658	21,148	68,810	0	0	0	0
Defense Agencies, total	288,515	57,917	180,331	50,267	1,270	164	624	482
Ballistic Missile Defense Org	98,032	32,389	55,630	10,013	0	0	0	0
Defense Adv Rsch Projects Agcy	124,291	12,640	88,045	23,606	0	0	0	0
Defense Info Systems Agcy	9,812	0	0	9,812	0	0	0	0
Defense Logistics Agency	500	0	200	300	0	0	0	0
Defense Threat Reduction Agency	2,560	2,457	14	89	0	0	0	0
Washington Headquarters Svcs	53,320	10,431	36,442	6,447	1,270	164	624	482
Operational Test & Evaluation, Director	21,569	19	0	21,550	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	868	3	0	865	0	0	0	0
Department of Energy	4,014,095	1,068,155	2,399,390	546,550	813,650	320,247	414,110	79,293
Dept of Health & Human Svcs, total	255,717	186,371	45,763	23,583	1,200	1,200	0	0
National Institutes of Health	255,717	186,371	45,763	23,583	1,200	1,200	0	0
Department of Justice, total	6,200	3,600	2,600	0	0	0	0	0
Office of Justice Programs	6,200	3,600	2,600	0	0	0	0	0
Department of State[1]	15	0	15	0	0	0	0	0
Department of Transportation, total	6,350	1,100	250	5,000	0	0	0	0
Coast Guard	300	300	0	0	0	0	0	0
Federal Aviation Administration	5,000	0	0	5,000	0	0	0	0
Federal Highway Administration	1,050	800	250	0	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	1,296,323	875	1,285,951	9,497	19,120	0	19,120	0
National Science Foundation	194,808	96	193,760	952	35,693	0	35,693	0
Nuclear Regulatory Commission	28,450	15,484	7,103	5,863	0	0	0	0

[1] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aero-nautics & Space Admin	National Science Founda-tion	Other
Total, all FFRDCs	6,137,645	210	713,301	3,729,452	209,099	1,294,861	153,881	36,841
FFRDCs administered by industrial firms	1,328,022	100	79,087	1,074,617	152,395	875	75	20,873
Idaho National Engineering and Environmental Laboratory	96,372	0	817	90,360	0	310	0	4,885
NCI Frederick Cancer Rsch & Dvlpmt Ctr	152,395	0	0	0	152,395	0	0	0
Oak Ridge National Laboratory	326,849	100	9,404	311,572	0	565	75	5,133
Sandia National Laboratories	723,635	0	68,866	643,914	0	0	0	10,855
Savannah River Technology Center	28,771	0	0	28,771	0	0	0	0
FFRDCs administered by universities & colleges[1]	3,896,411	107	275,852	2,139,007	37,073	1,285,951	153,054	5,367
Ames Laboratory	20,802	0	383	20,419	0	0	0	0
Argonne National Laboratory	249,386	105	4,817	239,995	0	416	9	4,044
Ernest Orlando Lawrence Berkeley National Laboratory	249,145	0	3,579	220,983	20,682	3,870	31	0
Fermi National Accelerator Laboratory	205,350	0	0	205,350	0	0	0	0
Jet Propulsion Laboratory	1,285,637	0	11,668	0	0	1,273,895	74	0
Lawrence Livermore National Laboratory	610,372	0	38,835	559,790	6,942	4,690	0	115
Lincoln Laboratory	181,155	0	181,155	0	0	0	0	0
Los Alamos National Laboratory	660,201	2	17,740	631,471	9,157	583	40	1,208
National Astronomy & Ionosphere Ctr	8,747	0	0	0	0	0	8,747	0
National Center for Atmospheric Rsch	75,612	0	669	0	0	2,497	72,446	0
National Optical Astronomy Observatories[2]	38,247	0	0	0	0	0	38,247	0
National Radio Astronomy Observatory	33,132	0	0	0	0	0	33,132	0
Oak Ridge Institute for Science & Ed	7,529	0	7	7,230	292	0	0	0
Princeton Plasma Physics Laboratory	40,322	0	80	39,914	0	0	328	0
Software Engineering Institute	16,919	0	16,919	0	0	0	0	0
Stanford Linear Accelerator Center	150,059	0	0	150,059	0	0	0	0
Thomas Jefferson National Accelerator Facility[3]	63,796	0	0	63,796	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aero-nautics & Space Admin	National Science Founda-tion	Other
FFRDCs administered by nonprofit institutions[4]	913,212	3	358,362	515,828	19,631	8,035	752	10,601
Aerospace Federally Funded Research & Development Center	97,935	0	92,868	0	0	4,922	145	0
Arroyo Center[5]	20,859	0	20,594	265	0	0	0	0
Brookhaven National Laboratory[6]	252,700	3	2,672	242,298	347	2,585	607	4,188
C3I Federally Funded Research & Development Center[7]	138,007	0	138,007	0	0	0	0	0
Center for Advanced Aviation System Development[7]	13,847	0	8,982	0	0	0	0	4,865
Center for Naval Analyses	45,875	0	45,875	0	0	0	0	0
Institute for Defense Analyses Communications & Computing FFRDC[8]	2,804	0	2,804	0	0	0	0	0
Institute for Defense Analyses Studies & Analyses FFRDC	36,875	0	36,875	0	0	0	0	0
National Defense Research Institute[5]	19,120	0	3,885	0	14,987	248	0	0
National Renewable Energy Laboratory[9]	133,383	0	0	133,383	0	0	0	0
Pacific Northwest National Laboratory	151,807	0	5,800	139,882	4,297	280	0	1,548

[1] Includes university consortia.

[2] Since February 1984 this center has included three former FFRDCs. Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

[3] In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

[4] That is, other than universities and colleges.

[5] The following portions of the RAND Corporation are FFRDCs. National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and the Science and Technology Policy Institute (formerly Critical Technologies Institute). All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

[6] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

[7] Only the C3I Federally Funded Research and Development Center, the Center for Advanced Aviation System Development, and The Internal Revenue Service (IRS) Federally Funded Research and Development Center (FFRDC) parts of the MITRE Corporation are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

[8] Although the Institute for Defense Analyses Communications & Computing FFRDC has been in existence since 1956, the Department of Defense added it to the Master Government List of FFRDCs for the first time in October 1995.

[9] In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

The Department of Defense decertified Logistics Management Institute of McLean, VA, as an FFRDC effective September 24, 1998.

The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs (1) the Energy Technology Engineering Center in November 1995, (2) the Inhalation Toxicology Research Institute in May 1996, and (3) Oak Ridge Institute for Science and Education (ORISE) February 22, 1999.

Critical Technologies Institute (CTI), as established in 1992, supports science and technology policy. The National Science Foundation has determined that CTI's activities are classified as non-investment and do not fit within the definitions of basic or applied research or development.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-15. Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1999

[Dollars in thousands]

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	859,111	0	86	818,181	1,042	15,100	24,702	0
FFRDCs administered by industrial firms	172,829	0	86	171,701	1,042	0	0	0
Idaho National Engineering and Environmental Laboratory	1,203	0	0	1,203	0	0	0	0
NCI Frederick Cancer Rsch & Dvlpmt Ctr	1,042	0	0	0	1,042	0	0	0
Oak Ridge National Laboratory	131,645	0	76	131,569	0	0	0	0
Sandia National Laboratories	38,939	0	10	38,929	0	0	0	0
FFRDCs administered by universities & colleges[1]	615,542	0	0	575,740	0	15,100	24,702	0
Ames Laboratory	3,911	0	0	3,911	0	0	0	0
Argonne National Laboratory	33,432	0	0	33,432	0	0	0	0
Ernest Orlando Lawrence Berkeley National Laboratory	49,224	0	0	49,224	0	0	0	0
Fermi National Accelerator Laboratory	89,355	0	0	89,355	0	0	0	0
Jet Propulsion Laboratory	15,100	0	0	0	0	15,100	0	0
Lawrence Livermore National Laboratory	306,780	0	0	306,780	0	0	0	0
Los Alamos National Laboratory	46,174	0	0	46,174	0	0	0	0
National Center for Atmospheric Rsch	15,728	0	0	0	0	0	15,728	0
National Radio Astronomy Observatory	8,974	0	0	0	0	0	8,974	0
Oak Ridge Institute for Science & Ed	1,184	0	0	1,184	0	0	0	0
Princeton Plasma Physics Laboratory	13,165	0	0	13,165	0	0	0	0
Stanford Linear Accelerator Center	24,227	0	0	24,227	0	0	0	0
Thomas Jefferson National Accelerator Facility[2]	8,288	0	0	8,288	0	0	0	0
FFRDCs administered by nonprofit institutions[3]	70,740	0	0	70,740	0	0	0	0
Brookhaven National Laboratory[4]	55,785	0	0	55,785	0	0	0	0
National Renewable Energy Laboratory[5]	4,218	0	0	4,218	0	0	0	0
Pacific Northwest National Laboratory	10,737	0	0	10,737	0	0	0	0

[1] Includes university consortia.

[2] In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

[3] That is, other than universities and colleges.

[4] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

[5] In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

The Department of Defense decertified Logistics Management Institute of McLean, VA, as an FFRDC effective September 24, 1998.

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The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs (1) the Energy Technology Engineering Center in November 1995, (2) the Inhalation Toxicology Research Institute in May 1996, and (3) Oak Ridge Institute for Science and Education (ORISE) February 22, 1999.

Critical Technologies Institute (CTI), as established in 1992, supports science and technology policy. The National Science Foundation has determined that CTI's activities are classified as non-investment and do not fit within the definitions of basic or applied research or development.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-16. Federal obligations for research, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	33,527,514	8,685,821	4,579,849	879,251	13,203,776	2,554,078	2,806,718	469,490	232,399	116,132
Departments:										
Department of Agriculture, total	1,488,059	967,524	18,492	0	481,547	0	13,446	0	3,589	3,461
Agricultural Marketing Service	4,015	3,704	0	0	286	0	0	0	25	0
Agricultural Research Service	778,129	730,406	0	0	41,692	0	2,802	0	0	3,229
Cooperative State Research, Education, & Extension Service	462,541	26,053	13,913	0	414,555	0	6,252	0	1,768	0
Economic Research Service	62,488	52,617	4,399	0	3,508	0	1,954	0	0	10
Food Safety Inspection Service	250	250	0	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	776	0	0	646	0	0	0	0	0
Forest Service	169,427	146,244	180	0	19,927	0	1,058	0	1,796	222
Grain Inspection Packers & Stockyards Administration	2,714	2,714	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,573	3,340	0	0	153	0	80	0	0	0
Rural Business-Cooperative Svc	3,500	1,420	0	0	780	0	1,300	0	0	0
Department of Commerce, total	848,000	666,165	81,252	100	96,788	107	2,113	2	470	1,003
Bureau of the Census	5,872	5,872	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	177	0	323	0	0	0	0	0
Nat'l Inst of Standards & Tech	308,951	216,115	79,342	100	12,187	22	958	2	0	225
Nat'l Oceanic & Atmospheric Admin	528,818	440,319	1,733	0	84,278	85	1,155	0	470	778
National Telecommunications & Information Administration	3,809	3,809	0	0	0	0	0	0	0	0
Department of Defense, total	4,142,262	1,486,056	1,424,583	17,325	988,963	76,849	91,012	27,057	7,326	23,091
Department of the Air Force	764,769	376,638	250,105	5,913	110,566	2,620	14,205	825	0	3,897
Department of the Army	848,399	506,069	218,094	447	85,415	338	14,761	13,154	7,326	2,795
Department of the Navy	873,243	341,866	250,558	674	242,346	3,477	25,700	928	0	7,694
Defense Agencies, total	1,655,851	261,483	705,826	10,291	550,636	70,414	36,346	12,150	0	8,705
Ballistic Missile Defense Org	104,487	28,051	64,418	100	7,341	4,001	446	0	0	130
Defense Adv Rsch Projects Agcy	948,631	78,204	469,831	8,380	299,325	44,908	33,635	9,390	0	4,958
Defense Info Systems Agcy	1,951	709	1,242	0	0	0	0	0	0	0
Defense Logistics Agency	8,090	5,400	0	0	0	0	0	2,690	0	0
Defense Threat Reduction Agency	202,820	49,913	144,653	1,811	782	299	1,765	0	0	3,597
Special Operations Command	17,866	5,560	10,460	0	1,846	0	0	0	0	0
Washington Headquarters Svcs	372,006	93,646	15,222	0	241,342	21,206	500	70	0	20
Department of Education	148,626	7,766	6,249	0	102,831	0	31,234	0	546	0
Department of Energy	3,919,814	289,052	216,848	706,378	561,885	1,678,251	55,358	407,387	3,250	1,405

See explanatory information, if any, and SOURCE at end of table

Table C-16. Federal obligations for research, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	13,714,640	2,706,120	662,288	133,803	7,922,622	34,047	2,111,759	18,303	81,846	43,852
Administration on Aging	2,381	185	75	0	1,071	0	1,050	0	0	0
Admin for Children & Families	24,893	1,708	2,453	0	9,969	0	9,101	0	1,622	40
Agency for Healthcare Research and Quality[2]	171,337	45,844	43,309	0	50,621	0	31,563	0	0	0
Centers for Disease Control & Prevention	433,307	294,259	1,355	0	95,537	0	36,693	0	5,463	0
Food & Drug Administration	130,802	108,321	2,593	0	14,590	0	4,469	0	626	203
Health Care Financing Admin	49,671	38	29,929	0	5,044	0	12,371	0	1,999	290
Health Resources & Services Admin	12,798	2,779	0	0	8,019	0	2,000	0	0	0
National Institutes of Health	12,875,503	2,251,486	582,012	133,803	7,733,215	34,047	2,008,182	18,303	71,136	43,319
Office of the Secretary, total	13,948	1,500	562	0	4,556	0	6,330	0	1,000	0
Office of the Asst Secretary, Planning & Evaluation	13,948	1,500	562	0	4,556	0	6,330	0	1,000	0
Dept of Housing & Urban Development	19,067	11,288	2,847	0	618	0	4,314	0	0	0
Department of the Interior, total	610,046	542,245	12,495	0	45,742	0	1,674	0	5,957	1,933
Bureau of Reclamation	7,702	6,100	0	0	785	0	237	0	580	0
Geological Survey	550,158	516,702	2,197	0	25,994	0	0	0	5,265	0
Minerals Management Service	28,752	7,023	8,997	0	9,872	0	818	0	112	1,930
National Park Service	23,434	12,420	1,301	0	9,091	0	619	0	0	3
Department of Justice, total	54,024	4,925	5,018	5,400	20,693	0	11,489	400	6,099	0
Bureau of Prisons	7,449	2,500	0	0	0	0	0	0	4,949	0
Office of Justice Programs	46,575	2,425	5,018	5,400	20,693	0	11,489	400	1,150	0
Department of Labor, total	27,726	17,962	2,835	0	5,319	0	1,610	0	0	0
Bureau of Labor Statistics	12,400	8,400	0	0	4,000	0	0	0	0	0
Employment & Training Admin	8,816	7,305	0	0	1,050	0	461	0	0	0
Occupational Safety & Hlth Admin	3,757	1,433	2,324	0	0	0	0	0	0	0
Office of the Secretary	156	20	25	0	111	0	0	0	0	0
Pension Benefit Guaranty Corp	57	57	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	2,540	747	486	0	158	0	1,149	0	0	0
Department of State[3]	1,473	490	968	0	0	15	0	0	0	0
Department of Transportation, total	476,668	155,504	163,814	850	41,268	1,001	11,451	5,140	96,981	659
Coast Guard	5,069	3,724	945	400	0	0	0	0	0	0
Federal Aviation Administration	142,322	61,666	60,165	0	15,351	0	0	5,140	0	0
Federal Highway Administration	247,844	43,936	79,927	450	17,029	900	8,616	0	96,981	5
Federal Railroad Administration	20,304	10,753	8,461	0	836	0	0	0	0	254
Federal Transit Administration	4,800	600	0	0	2,200	0	2,000	0	0	0
National Highway Traffic Safety Administration	50,350	30,824	12,914	0	5,852	0	360	0	0	400
Research & Special Programs Admin	5,979	4,001	1,402	0	0	101	475	0	0	0
Department of the Treasury, total	50,730	38,664	12,066	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,016	2,016	0	0	0	0	0	0	0	0
Internal Revenue Service	48,039	36,146	11,893	0	0	0	0	0	0	0
Office of Thrift Supervision	144	144	0	0	0	0	0	0	0	0
United States Secret Service	531	358	173	0	0	0	0	0	0	0
Department of Veterans Affairs	332,284	332,284	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Federal obligations for research, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	831	11	360	0	410	0	50	0	0	0
Environmental Protection Agency	456,982	208,239	109,231	0	93,045	0	38,820	0	6,745	902
Federal Communications Commission	4,487	4,487	0	0	0	0	0	0	0	0
Federal Trade Commission	1,254	1,254	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	163,780	18,016	9,823	0	11,461	0	104,826	0	0	19,654
Agcy for Internat'l Development[4]	163,780	18,016	9,823	0	11,461	0	104,826	0	0	19,654
Library of Congress	544	544	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,357,929	1,088,785	1,721,578	697	744,694	606,403	176,837	5,388	8,776	4,771
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,506,031	21,421	89,179	75	2,076,356	153,054	146,481	752	5,342	13,371
Nuclear Regulatory Commission	49,000	14,664	3,361	14,623	4,536	4,351	374	5,061	0	2,030
Smithsonian Institution	90,000	90,000	0	0	0	0	0	0	0	0
Social Security Administration	53,282	2,380	36,562	0	4,998	0	3,870	0	5,472	0
United States Information Agency	117	117	0	0	0	0	0	0	0	0
US International Trade Commission	9,738	9,738	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	36,329,524	9,203,504	4,888,063	850,109	14,699,068	2,673,612	3,178,312	450,611	267,943	118,302
Departments										
Department of Agriculture, total	1,621,437	1,011,795	16,532	0	572,695	0	13,622	0	3,564	3,229
Agricultural Marketing Service	4,254	4,254	0	0	0	0	0	0	0	0
Agricultural Research Service	820,392	764,914	0	0	49,669	0	2,802	0	0	3,007
Cooperative State Research, Education, & Extension Service	546,455	30,744	12,852	0	494,839	0	6,252	0	1,768	0
Economic Research Service	65,363	52,854	3,500	0	7,009	0	2,000	0	0	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	776	0	0	646	0	0	0	0	0
Forest Service	172,860	149,677	180	0	19,927	0	1,058	0	1,796	222
Grain Inspection Packers & Stockyards Administration	3,410	3,410	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,856	3,541	0	0	305	0	10	0	0	0
Rural Business-Cooperative Svc	3,300	1,500	0	0	300	0	1,500	0	0	0
Department of Commerce, total	897,776	706,534	88,328	100	100,629	22	1,498	2	438	225
Bureau of the Census	4,285	4,285	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	300	0	0	0	200	0	0	0
Nat'l Inst of Standards & Tech	319,227	218,933	86,273	100	12,505	22	1,167	2	0	225
Nat'l Oceanic & Atmospheric Admin	569,909	479,461	1,755	0	88,124	0	131	0	438	0
National Telecommunications & Information Administration	3,805	3,805	0	0	0	0	0	0	0	0
Department of Defense, total	4,499,272	1,609,596	1,559,181	24,536	1,064,094	80,135	105,073	30,271	8,224	18,162
Department of the Air Force	760,360	347,455	267,507	13,044	110,327	2,630	17,758	761	0	878
Department of the Army	1,028,973	583,493	268,382	98	121,742	544	25,477	17,461	8,224	3,552
Department of the Navy	987,199	390,334	294,210	692	254,230	12,191	26,660	1,010	0	7,872
Defense Agencies, total	1,722,740	288,314	729,082	10,702	577,795	64,770	35,178	11,039	0	5,860
Ballistic Missile Defense Org	127,459	21,218	98,177	0	5,919	1,851	294	0	0	0
Defense Adv Rsch Projects Agcy	955,926	79,064	468,796	8,371	306,014	45,519	33,024	10,041	0	5,097
Defense Info Systems Agcy	2,379	994	1,385	0	0	0	0	0	0	0
Defense Logistics Agency	8,080	7,265	0	0	0	0	0	815	0	0
Defense Threat Reduction Agency	193,773	57,450	131,145	2,331	541	0	1,360	183	0	763
Special Operations Command	20,741	5,969	13,462	0	1,310	0	0	0	0	0
Washington Headquarters Svcs	414,382	116,354	16,117	0	264,011	17,400	500	0	0	0
Department of Education	158,395	8,349	6,620	0	109,346	0	33,469	0	611	0
Department of Energy	4,140,708	436,518	280,532	649,815	572,001	1,756,671	57,649	384,022	2,500	1,000

See explanatory information, if any, and SOURCE at end of table.

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 2000

[Dollars in thousands]

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Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	15,619,613	3,005,302	761,788	154,010	9,066,195	39,560	2,424,129	20,695	97,483	50,451
Administration on Aging	5,000	185	65	0	900	0	1,050	0	2,800	0
Admin for Children & Families	30,487	1,168	2,928	0	12,736	0	11,360	0	2,255	40
Agency for Healthcare Research and Quality[2]	186,871	50,455	46,718	0	56,061	0	33,637	0	0	0
Centers for Disease Control & Prevention	477,115	337,525	1,037	0	95,537	0	36,693	0	6,323	0
Food & Drug Administration	140,161	116,361	3,000	0	15,000	0	5,000	0	600	200
Health Care Financing Admin	61,800	35	37,463	0	6,141	0	15,354	0	2,457	350
Health Resources & Services Admin	13,049	2,729	0	0	8,260	0	2,060	0	0	0
National Institutes of Health	14,688,430	2,495,007	669,909	154,010	8,866,049	39,560	2,311,460	20,695	81,879	49,861
Office of the Secretary, total	16,700	1,837	668	0	5,511	0	7,515	0	1,169	0
Office of the Asst Secretary, Planning & Evaluation	16,700	1,837	668	0	5,511	0	7,515	0	1,169	0
Dept of Housing & Urban Development	20,720	12,266	3,108	0	663	0	4,683	0	0	0
Department of the Interior, total	539,847	473,511	13,294	0	45,200	0	1,436	0	4,577	1,829
Bureau of Reclamation	6,407	5,274	0	0	783	0	150	0	200	0
Geological Survey	477,885	448,152	1,706	0	23,700	0	0	0	4,327	0
Minerals Management Service	28,903	7,250	10,287	0	8,894	0	593	0	50	1,829
National Park Service	26,652	12,835	1,301	0	11,823	0	693	0	0	0
Department of Justice, total	47,012	2,510	4,486	5,400	16,386	0	17,430	400	400	0
Bureau of Prisons	2,900	2,500	0	0	0	0	0	0	400	0
Office of Justice Programs	44,112	10	4,486	5,400	16,386	0	17,430	400	0	0
Department of Labor, total	30,204	18,491	4,176	0	5,381	0	2,156	0	0	0
Bureau of Labor Statistics	12,300	8,400	0	0	3,900	0	0	0	0	0
Employment & Training Admin	9,260	7,686	0	0	1,111	0	463	0	0	0
Occupational Safety & Hlth Admin	4,375	1,502	2,873	0	0	0	0	0	0	0
Office of the Secretary	800	60	600	0	140	0	0	0	0	0
Pension Benefit Guaranty Corp	55	55	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,414	788	703	0	230	0	1,693	0	0	0
Department of State[3]	1,500	500	985	0	0	15	0	0	0	0
Department of Transportation, total	512,239	145,474	172,540	2,972	52,017	250	12,494	5,368	120,349	775
Coast Guard	5,269	3,658	1,311	300	0	0	0	0	0	0
Federal Aviation Administration	156,495	67,219	69,502	0	15,000	0	0	4,774	0	0
Federal Highway Administration	264,147	27,469	75,308	2,672	27,967	250	9,538	594	120,349	0
Federal Railroad Administration	26,655	11,404	13,194	0	1,782	0	0	0	0	275
Federal Transit Administration	3,700	500	0	0	1,200	0	2,000	0	0	0
National Highway Traffic Safety Administration	50,569	31,858	11,637	0	6,068	0	506	0	0	500
Research & Special Programs Admin	5,404	3,366	1,588	0	0	0	450	0	0	0
Department of the Treasury, total	49,861	41,371	8,490	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,582	2,582	0	0	0	0	0	0	0	0
Internal Revenue Service	46,159	37,859	8,300	0	0	0	0	0	0	0
Office of Thrift Supervision	153	153	0	0	0	0	0	0	0	0
United States Secret Service	967	777	190	0	0	0	0	0	0	0
Department of Veterans Affairs	359,347	359,347	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-17. Preliminary Federal obligations for research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural								
			United States and territories								Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	625	10	280	0	330	0	5	0	0	0
Environmental Protection Agency	445,285	105,087	149,171	0	127,351	0	52,989	0	9,351	1,336
Federal Communications Commission	3,936	3,936	0	0	0	0	0	0	0	0
Federal Trade Commission	1,200	1,200	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	173,248	19,057	10,395	0	12,127	0	110,879	0	0	20,790
Agcy for Internat'l Development[4]	173,248	19,057	10,395	0	12,127	0	110,879	0	0	20,790
Library of Congress	544	544	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,350,513	1,086,925	1,690,899	703	744,694	630,502	177,453	5,539	8,788	5,010
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,655,593	22,636	96,162	80	2,199,522	161,624	154,992	794	5,658	14,125
Nuclear Regulatory Commission	53,000	22,661	3,407	12,493	4,261	4,833	455	3,520	0	1,370
Smithsonian Institution	97,000	97,000	0	0	0	0	0	0	0	0
Social Security Administration	40,300	2,535	17,689	0	6,176	0	7,900	0	6,000	0
United States Information Agency	89	89	0	0	0	0	0	0	0	0
US International Trade Commission	10,140	10,140	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	38,688,104	9,792,777	5,117,951	911,251	15,696,143	2,948,398	3,340,645	470,355	287,837	122,747
Departments										
Department of Agriculture, total	1,637,969	1,115,822	10,943	0	495,417	0	8,983	0	3,330	3,474
Agricultural Marketing Service	4,554	4,554	0	0	0	0	0	0	0	0
Agricultural Research Service	881,479	844,389	0	0	31,036	0	2,802	0	0	3,252
Cooperative State Research, Education, & Extension Service	483,045	29,632	10,763	0	438,003	0	3,113	0	1,534	0
Economic Research Service	55,424	51,924	0	0	3,500	0	0	0	0	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	776	0	0	646	0	0	0	0	0
Forest Service	196,940	173,757	180	0	19,927	0	1,058	0	1,796	222
Grain Inspection Packers & Stockyards Administration	5,554	5,554	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,856	3,541	0	0	305	0	10	0	0	0
Rural Business-Cooperative Svc	5,570	1,570	0	0	2,000	0	2,000	0	0	0
Department of Commerce, total	942,280	729,337	97,015	100	111,315	22	3,780	2	484	225
Bureau of the Census	112	112	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	100	0	200	0	200	0	0	0
Nat'l Inst of Standards & Tech	364,702	238,117	95,413	100	27,400	22	3,423	2	0	225
Nat'l Oceanic & Atmospheric Admin	568,059	482,201	1,502	0	83,715	0	157	0	484	0
National Telecommunications & Information Administration	8,857	8,857	0	0	0	0	0	0	0	0
Department of Defense, total	4,410,304	1,496,080	1,548,266	23,406	1,116,561	77,282	94,727	29,109	7,518	17,355
Department of the Air Force	797,826	346,476	318,536	8,534	106,512	2,531	13,584	731	0	922
Department of the Army	843,301	520,160	201,914	8	81,198	230	14,302	15,777	7,518	2,194
Department of the Navy	928,915	361,227	257,897	729	269,078	2,439	28,196	1,205	0	8,144
Defense Agencies, total	1,840,262	268,217	769,919	14,135	659,773	72,082	38,645	11,396	0	6,095
Ballistic Missile Defense Org	49,029	11,400	30,012	2,284	3,612	1,591	130	0	0	0
Defense Adv Rsch Projects Agcy	1,078,749	89,357	526,606	9,409	347,615	51,510	37,083	11,364	0	5,805
Defense Info Systems Agcy	293	123	170	0	0	0	0	0	0	0
Defense Logistics Agency	8,776	8,776	0	0	0	0	0	0	0	0
Defense Threat Reduction Agency	228,470	41,018	183,193	2,442	563	0	932	32	0	290
Special Operations Command	21,130	5,533	14,266	0	1,331	0	0	0	0	0
Washington Headquarters Svcs	453,815	112,010	15,672	0	306,652	18,981	500	0	0	0
Department of Education	187,347	12,496	9,062	0	119,273	0	37,866	0	8,650	0
Department of Energy	4,523,630	520,961	278,239	703,283	622,841	1,952,722	39,155	403,682	2,100	647

See explanatory information, if any, and SOURCE at end of table.

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra-mural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	16,548,385	3,187,339	812,181	163,634	9,588,253	42,033	2,576,999	21,988	102,339	53,619
Administration on Aging	5,000	185	65	0	900	0	1,050	0	2,800	0
Admin for Children & Families	31,860	1,167	3,065	0	13,333	0	11,893	0	2,360	42
Agency for Healthcare Research and Quality[2]	235,000	63,450	58,750	0	70,500	0	42,300	0	0	0
Centers for Disease Control & Prevention	517,978	378,602	1,037	0	95,537	0	36,693	0	6,109	0
Food & Drug Administration	160,876	133,626	3,500	0	17,000	0	5,800	0	700	250
Health Care Financing Admin	55,000	35	33,315	0	5,461	0	13,654	0	2,185	350
Health Resources & Services Admin	13,062	2,742	0	0	8,260	0	2,060	0	0	0
National Institutes of Health	15,512,609	2,605,662	711,769	163,634	9,371,652	42,033	2,455,899	21,988	86,995	52,977
Office of the Secretary, total	17,000	1,870	680	0	5,610	0	7,650	0	1,190	0
Office of the Asst Secretary, Planning & Evaluation	17,000	1,870	680	0	5,610	0	7,650	0	1,190	0
Dept of Housing & Urban Development	22,571	13,362	3,386	0	722	0	5,101	0	0	0
Department of the Interior, total	582,567	514,630	13,819	0	46,636	0	957	0	4,999	1,526
Bureau of Reclamation	6,649	5,478	0	0	821	0	150	0	200	0
Geological Survey	519,188	487,191	1,855	0	25,443	0	0	0	4,699	0
Minerals Management Service	28,728	7,530	10,663	0	8,749	0	160	0	100	1,526
National Park Service	28,002	14,431	1,301	0	11,623	0	647	0	0	0
Department of Justice, total	36,450	2,510	2,790	3,600	9,225	2,600	15,225	0	500	0
Bureau of Prisons	3,000	2,500	0	0	0	0	0	0	500	0
Office of Justice Programs	33,450	10	2,790	3,600	9,225	2,600	15,225	0	0	0
Department of Labor, total	32,834	20,701	4,250	0	5,572	0	2,311	0	0	0
Bureau of Labor Statistics	12,300	8,400	0	0	3,900	0	0	0	0	0
Employment & Training Admin	11,727	9,734	0	0	1,407	0	586	0	0	0
Occupational Safety & Hlth Admin	4,990	1,558	3,432	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	57	57	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,760	952	818	0	265	0	1,725	0	0	0
Department of State[3]	1,500	500	985	0	0	15	0	0	0	0
Department of Transportation, total	652,846	214,025	235,452	1,100	54,029	250	14,731	5,000	127,109	1,150
Coast Guard	5,088	3,528	1,260	300	0	0	0	0	0	0
Federal Aviation Administration	184,366	68,624	95,742	0	15,000	0	0	5,000	0	0
Federal Highway Administration	327,820	64,510	100,941	800	23,329	250	10,881	0	127,109	0
Federal Railroad Administration	24,669	11,865	11,554	0	1,000	0	0	0	0	250
Federal Transit Administration	3,824	524	100	0	1,200	0	2,000	0	0	0
National Highway Traffic Safety Administration	95,258	60,012	22,396	0	11,000	0	950	0	0	900
Research & Special Programs Admin	11,821	4,962	3,459	0	2,500	0	900	0	0	0
Department of the Treasury, total	59,847	50,507	9,340	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,582	2,582	0	0	0	0	0	0	0	0
Internal Revenue Service	56,007	46,877	9,130	0	0	0	0	0	0	0
Office of Thrift Supervision	163	163	0	0	0	0	0	0	0	0
United States Secret Service	1,095	885	210	0	0	0	0	0	0	0
Department of Veterans Affairs	359,635	359,635	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-18. Preliminary Federal obligations for research, by agency and performer: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies										
Appalachian Regional Commission	750	10	300	0	390	0	50	0	0	0
Environmental Protection Agency	439,353	103,687	147,183	0	125,656	0	52,283	0	9,226	1,318
Federal Communications Commission	3,525	3,525	0	0	0	0	0	0	0	0
Federal Trade Commission	1,414	1,414	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	165,776	19,893	9,947	0	11,604	0	104,439	0	0	19,893
Agcy for Internat'l Development [4]	165,776	19,893	9,947	0	11,604	0	104,439	0	0	19,893
Library of Congress	551	551	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,700,922	1,279,428	1,794,023	548	744,694	672,611	191,746	3,759	8,805	5,308
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	3,179,928	27,131	114,490	96	2,634,103	193,760	185,687	952	6,777	16,932
Nuclear Regulatory Commission	53,000	14,913	4,100	15,484	3,732	7,103	505	5,863	0	1,300
Smithsonian Institution	103,000	103,000	0	0	0	0	0	0	0	0
Social Security Administration	41,600	1,200	22,180	0	6,120	0	6,100	0	6,000	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-19. Federal obligations for research, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	33,527,514	36,329,524	38,688,104
Life sciences, total	15,422,452	17,422,499	18,249,178
Biological (excluding environmental)	6,477,638	NA	NA
Environmental biology	720,612	NA	NA
Agricultural	849,416	NA	NA
Medical	6,801,169	NA	NA
Life sciences, n.e.c.	573,617	NA	NA
Psychology, total	632,623	719,891	751,834
Biological aspects	18,034	NA	NA
Social aspects	66,644	NA	NA
Psychological sciences, n.e.c.	547,945	NA	NA
Physical sciences, total	4,066,156	4,183,087	4,430,192
Astronomy	757,859	NA	NA
Chemistry	814,936	NA	NA
Physics	2,221,916	NA	NA
Physical sciences, n.e.c.	271,445	NA	NA
Environmental sciences, total	3,095,261	3,102,392	3,243,244
Atmospheric	1,176,493	NA	NA
Geological	660,169	NA	NA
Oceanography	656,599	NA	NA
Environmental sciences, n.e.c.	602,000	NA	NA
Mathematics & computer sciences, total	1,980,628	2,178,477	2,517,255
Mathematics	345,312	NA	NA
Computer sciences	1,516,077	NA	NA
Mathematics & computer sciences, n.e.c.	119,239	NA	NA
Engineering, total	6,263,420	6,548,293	7,088,686
Aeronautical	1,609,733	NA	NA
Astronautical	620,596	NA	NA
Chemical	203,170	NA	NA
Civil	328,510	NA	NA
Electrical	698,721	NA	NA
Mechanical	240,404	NA	NA
Metallurgy & materials	788,027	NA	NA
Engineering, n.e.c.	1,774,259	NA	NA
Social sciences, total	854,873	901,843	995,881
Anthropology	18,305	NA	NA
Economics	216,560	NA	NA
Political science	20,164	NA	NA
Sociology	83,832	NA	NA
Social sciences, n.e.c.	516,012	NA	NA
Other sciences, n.e.c.	1,212,101	1,273,042	1,411,834

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY:
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-20. Federal obligations for research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	33,527,514	15,422,452	632,623	4,066,156	3,095,261	1,980,628	6,263,420	854,873	1,212,101
Departments									
Department of Agriculture, total	1,488,059	1,200,396	340	89,502	10,031	12,178	56,351	116,624	2,637
Agricultural Marketing Service	4,015	4,015	0	0	0	0	0	0	0
Agricultural Research Service	778,129	700,998	0	60,850	3,936	916	11,429	0	0
Cooperative State Research, Education, & Extension Service	462,541	381,318	0	19,872	1,130	0	18,275	41,946	0
Economic Research Service	62,488	0	0	0	0	0	0	62,488	0
Food Safety Inspection Service	250	250	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	1,422	0	0	0	0	0	0	0
Forest Service	169,427	108,379	340	8,780	4,965	7,689	26,647	9,990	2,637
Grain Inspection Packers & Stockyards Administration	2,714	2,714	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,573	0	0	0	0	3,573	0	0	0
Rural Business-Cooperative Svc	3,500	1,300	0	0	0	0	0	2,200	0
Department of Commerce, total	848,000	144,943	1,937	116,534	297,394	77,932	149,703	19,289	40,268
Bureau of the Census	5,872	0	1,937	0	0	3,935	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	308,951	23,501	0	91,473	883	54,572	138,522	0	0
Nat'l Oceanic & Atmospheric Admin	528,818	121,442	0	25,061	296,511	19,425	7,372	18,739	40,268
National Telecommunications & Information Administration	3,809	0	0	0	0	0	3,809	0	0
Department of Defense, total	4,142,262	473,764	45,823	405,836	326,913	643,403	1,950,341	0	296,182
Department of the Air Force	764,769	35,466	24,230	139,149	9,082	66,424	479,037	0	11,381
Department of the Army	848,399	120,412	11,187	56,506	90,723	75,189	340,662	0	153,720
Department of the Navy	873,243	81,720	0	57,505	191,995	48,225	493,798	0	0
Defense Agencies, total	1,655,851	236,166	10,406	152,676	35,113	453,565	636,844	0	131,081
Ballistic Missile Defense Org	104,487	0	0	32,778	0	25,214	31,311	0	15,184
Defense Adv Rsch Projects Agcy	948,631	104,653	0	13,731	6,944	388,577	401,520	0	33,206
Defense Info Systems Agcy	1,951	0	0	0	0	0	0	0	1,951
Defense Logistics Agency	8,090	0	8,090	0	0	0	0	0	0
Defense Threat Reduction Agency	202,820	20	0	64,277	14,584	65	43,384	0	80,490
Special Operations Command	17,866	715	0	0	0	0	16,901	0	250
Washington Headquarters Svcs	372,006	130,778	2,316	41,890	13,585	39,709	143,728	0	0
Department of Education	148,626	19,639	3,150	0	0	0	8,819	117,018	0
Department of Energy	3,919,814	255,047	0	1,632,032	311,748	613,570	1,087,340	0	20,077

See explanatory information, if any, and SOURCE at end of table.

Table C-20. Federal obligations for research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	13,714,640	11,877,057	479,828	203,928	39,369	130,261	186,357	184,737	613,103
Administration on Aging	2,381	0	0	0	0	0	0	2,381	0
Admin for Children & Families	24,893	0	0	0	0	0	0	24,893	0
Agency for Healthcare Research and Quality[1]	171,337	71,772	694	0	0	14,377	0	24,149	60,345
Centers for Disease Control & Prevention	433,307	433,307	0	0	0	0	0	0	0
Food & Drug Administration	130,802	130,802	0	0	0	0	0	0	0
Health Care Financing Admin	49,671	49,671	0	0	0	0	0	0	0
Health Resources & Services Admin	12,798	12,798	0	0	0	0	0	0	0
National Institutes of Health	12,875,503	11,178,707	479,134	203,928	39,369	115,884	186,357	119,366	552,758
Office of the Secretary, total	13,948	0	0	0	0	0	0	13,948	0
Office of the Asst Secretary, Planning & Evaluation	13,948	0	0	0	0	0	0	13,948	0
Dept of Housing & Urban Development	19,067	0	0	0	395	649	1,214	15,065	1,744
Department of the Interior, total	610,046	158,124	0	542	415,412	6,813	11,972	17,183	0
Bureau of Reclamation	7,702	0	0	0	2,027	0	5,575	100	0
Geological Survey	550,158	151,753	0	0	390,454	5,144	1,403	1,404	0
Minerals Management Service	28,752	686	0	42	20,055	1,307	4,446	2,216	0
National Park Service	23,434	5,685	0	500	2,876	362	548	13,463	0
Department of Justice, total	54,024	0	500	0	0	500	0	42,724	10,300
Bureau of Prisons	7,449	0	500	0	0	500	0	6,449	0
Office of Justice Programs	46,575	0	0	0	0	0	0	36,275	10,300
Department of Labor, total	27,726	0	0	0	0	131	0	27,595	0
Bureau of Labor Statistics	12,400	0	0	0	0	0	0	12,400	0
Employment & Training Admin	8,816	0	0	0	0	0	0	8,816	0
Occupational Safety & Hlth Admin	3,757	0	0	0	0	0	0	3,757	0
Office of the Secretary	156	0	0	0	0	131	0	25	0
Pension Benefit Guaranty Corp	57	0	0	0	0	0	0	57	0
Pension & Welfare Benefits Admin	2,540	0	0	0	0	0	0	2,540	0
Department of State[2]	1,473	0	0	0	0	0	0	1,473	0
Department of Transportation, total	476,668	12,162	25,748	51,381	35,197	12,639	291,048	12,994	35,499
Coast Guard	5,069	0	647	0	551	1,133	2,738	0	0
Federal Aviation Administration	142,322	4,630	23,866	46,292	21,608	0	34,804	0	11,122
Federal Highway Administration	247,844	2,722	1,235	5,089	11,938	5,273	189,851	7,487	24,249
Federal Railroad Administration	20,304	0	0	0	0	96	20,208	0	0
Federal Transit Administration	4,800	0	0	0	1,000	0	3,800	0	0
National Highway Traffic Safety Administration	50,350	4,810	0	0	0	5,546	34,487	5,507	0
Research & Special Programs Admin	5,979	0	0	0	100	591	5,160	0	128
Department of the Treasury, total	50,730	0	531	2,016	0	0	0	48,183	0
Bureau of Engraving & Printing	2,016	0	0	2,016	0	0	0	0	0
Internal Revenue Service	48,039	0	0	0	0	0	0	48,039	0
Office of Thrift Supervision	144	0	0	0	0	0	0	144	0
United States Secret Service	531	0	531	0	0	0	0	0	0
Department of Veterans Affairs	332,284	262,009	50,277	0	0	0	19,998	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-20. Federal obligations for research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Appalachian Regional Commission	831	0	0	0	0	0	0	831	0
Environmental Protection Agency	456,982	192,818	0	13,150	131,753	16,626	61,396	2,938	38,301
Federal Communications Commission	4,487	0	0	0	0	134	1,516	2,837	0
Federal Trade Commission	1,254	0	0	0	0	0	0	1,254	0
Internat'l Development Cooperation Agency, total	163,780	102,022	0	0	3,290	0	0	57,978	490
Agcy for Internat'l Development[3]	163,780	102,022	0	0	3,290	0	0	57,978	490
Library of Congress	544	0	0	544	0	0	0	0	0
National Aeronautics & Space Admin	4,357,929	280,807	20,236	983,616	1,025,831	78,569	1,937,932	390	30,548
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,506,031	410,672	4,253	527,453	494,640	387,223	450,316	109,337	122,137
Nuclear Regulatory Commission	49,000	0	0	0	0	0	49,000	0	0
Smithsonian Institution	90,000	32,992	0	39,502	3,288	0	0	13,403	815
Social Security Administration	53,282	0	0	0	0	0	0	53,282	0
United States Information Agency	117	0	0	0	0	0	117	0	0
US International Trade Commission	9,738	0	0	0	0	0	0	9,738	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	36,329,524	17,422,499	719,891	4,183,087	3,102,392	2,178,477	6,548,293	901,843	1,273,042
Departments:									
Department of Agriculture, total	1,621,437	1,313,426	347	94,833	10,113	12,919	65,375	121,733	2,691
Agricultural Marketing Service	4,254	4,254	0	0	0	0	0	0	0
Agricultural Research Service	820,392	739,075	0	63,846	3,881	1,219	12,371	0	0
Cooperative State Research, Education, & Extension Service	546,455	453,065	0	22,030	1,167	0	25,817	44,376	0
Economic Research Service	65,363	0	0	0	0	0	0	65,363	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	1,422	0	0	0	0	0	0	0
Forest Service	172,860	110,575	347	8,957	5,065	7,844	27,187	10,194	2,691
Grain Inspection Packers & Stockyards Administration	3,410	3,410	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,856	0	0	0	0	3,856	0	0	0
Rural Business-Cooperative Svc	3,300	1,500	0	0	0	0	0	1,800	0
Department of Commerce, total	897,776	157,203	1,414	119,756	312,804	80,693	159,345	21,437	45,124
Bureau of the Census	4,285	0	1,414	0	0	2,871	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	319,227	24,275	0	94,372	909	56,432	143,239	0	0
Nat'l Oceanic & Atmospheric Admin	569,909	132,928	0	25,384	311,895	21,390	12,301	20,887	45,124
National Telecommunications & Information Administration	3,805	0	0	0	0	0	3,805	0	0
Department of Defense, total	4,499,272	609,214	60,854	381,728	352,325	672,767	2,168,943	3,790	249,651
Department of the Air Force	760,360	37,686	19,670	119,875	8,843	63,656	478,653	0	31,977
Department of the Army	1,028,973	203,842	14,894	69,936	105,091	97,943	411,863	952	124,452
Department of the Navy	987,199	91,188	0	58,814	211,089	51,671	574,437	0	0
Defense Agencies, total	1,722,740	276,498	26,290	133,103	27,302	459,497	703,990	2,838	93,222
Ballistic Missile Defense Org	127,459	121	0	23,479	0	29,663	68,352	0	5,844
Defense Adv Rsch Projects Agcy	955,926	110,007	0	6,728	1,924	391,042	428,147	0	18,078
Defense Info Systems Agcy	2,379	0	0	0	0	0	0	0	2,379
Defense Logistics Agency	8,080	0	8,080	0	0	0	0	0	0
Defense Threat Reduction Agency	193,773	0	0	67,488	12,577	0	46,948	0	66,760
Special Operations Command	20,741	829	0	0	0	0	19,751	0	161
Washington Headquarters Svcs	414,382	165,541	18,210	35,408	12,801	38,792	140,792	2,838	0
Department of Education	158,395	21,802	3,700	0	0	0	9,898	122,995	0
Department of Energy	4,140,708	312,740	0	1,731,918	306,187	738,916	1,038,320	0	12,627

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	15,619,613	13,523,333	548,465	232,642	44,912	147,150	212,598	214,521	695,992
Administration on Aging	5,000	0	0	0	0	0	0	5,000	0
Admin for Children & Families	30,487	0	0	0	0	0	0	30,487	0
Agency for Healthcare Research and Quality[1]	186,871	78,486	1,869	0	0	14,950	0	26,162	65,404
Centers for Disease Control & Prevention	477,115	477,115	0	0	0	0	0	0	0
Food & Drug Administration	140,161	140,161	0	0	0	0	0	0	0
Health Care Financing Admin	61,800	61,800	0	0	0	0	0	0	0
Health Resources & Services Admin	13,049	13,049	0	0	0	0	0	0	0
National Institutes of Health	14,688,430	12,752,722	546,596	232,642	44,912	132,200	212,598	136,172	630,588
Office of the Secretary, total	16,700	0	0	0	0	0	0	16,700	0
Office of the Asst Secretary, Planning & Evaluation	16,700	0	0	0	0	0	0	16,700	0
Dept of Housing & Urban Development	20,720	0	0	0	429	704	1,320	16,371	1,896
Department of the Interior, total	539,847	134,946	0	500	371,326	5,065	12,170	15,840	0
Bureau of Reclamation	6,407	0	0	0	1,567	0	4,740	100	0
Geological Survey	477,885	127,906	0	0	344,223	3,725	1,015	1,016	0
Minerals Management Service	28,903	227	0	0	21,929	243	4,770	1,734	0
National Park Service	26,652	6,813	0	500	3,607	1,097	1,645	12,990	0
Department of Justice, total	47,012	0	500	0	0	500	0	35,702	10,310
Bureau of Prisons	2,900	0	500	0	0	500	0	1,900	0
Office of Justice Programs	44,112	0	0	0	0	0	0	33,802	10,310
Department of Labor, total	30,204	0	0	0	0	660	0	29,544	0
Bureau of Labor Statistics	12,300	0	0	0	0	0	0	12,300	0
Employment & Training Admin	9,260	0	0	0	0	0	0	9,260	0
Occupational Safety & Hlth Admin	4,375	0	0	0	0	0	0	4,375	0
Office of the Secretary	800	0	0	0	0	660	0	140	0
Pension Benefit Guaranty Corp	55	0	0	0	0	0	0	55	0
Pension & Welfare Benefits Admin	3,414	0	0	0	0	0	0	3,414	0
Department of State[2]	1,500	0	0	0	0	0	0	1,500	0
Department of Transportation, total	512,239	11,680	24,356	49,961	37,127	11,205	300,140	15,240	62,530
Coast Guard	5,269	0	809	0	560	1,150	2,750	0	0
Federal Aviation Administration	156,495	4,829	22,398	44,891	23,144	0	44,094	0	17,139
Federal Highway Administration	264,147	1,567	1,149	5,070	13,323	4,863	205,386	8,444	24,345
Federal Railroad Administration	26,655	0	0	0	0	267	8,796	0	17,592
Federal Transit Administration	3,700	0	0	0	0	0	3,700	0	0
National Highway Traffic Safety Administration	50,569	5,284	0	0	0	4,102	34,387	6,796	0
Research & Special Programs Admin	5,404	0	0	0	100	823	1,027	0	3,454
Department of the Treasury, total	49,861	0	967	2,582	0	0	0	46,312	0
Bureau of Engraving & Printing	2,582	0	0	2,582	0	0	0	0	0
Internal Revenue Service	46,159	0	0	0	0	0	0	46,159	0
Office of Thrift Supervision	153	0	0	0	0	0	0	153	0
United States Secret Service	967	0	967	0	0	0	0	0	0
Department of Veterans Affairs	359,347	283,472	54,284	0	0	0	21,591	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	625	0	0	0	0	0	0	625	0
Environmental Protection Agency	445,285	197,532	0	11,350	122,373	19,264	58,021	4,738	32,007
Federal Communications Commission	3,936	0	0	0	0	78	1,894	1,964	0
Federal Trade Commission	1,200	0	0	0	0	0	0	1,200	0
Internat'l Development Cooperation Agency, total	173,248	102,815	0	0	3,589	0	0	66,444	400
Agcy for Internat'l Development[3]	173,248	102,815	0	0	3,589	0	0	66,444	400
Library of Congress	544	0	0	544	0	0	0	0	0
National Aeronautics & Space Admin	4,350,513	282,344	20,513	958,841	1,015,062	79,220	1,964,122	378	30,033
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,655,593	434,744	4,491	557,947	522,348	409,336	481,467	116,231	129,029
Nuclear Regulatory Commission	53,000	0	0	0	0	0	53,000	0	0
Smithsonian Institution	97,000	37,248	0	40,365	3,797	0	0	14,838	752
Social Security Administration	40,300	0	0	0	0	0	0	40,300	0
United States Information Agency	89	0	0	0	0	0	89	0	0
US International Trade Commission	10,140	0	0	0	0	0	0	10,140	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	38,688,104	18,249,178	751,834	4,430,192	3,243,244	2,517,255	7,088,686	995,881	1,411,834
Departments									
Department of Agriculture, total	1,637,969	1,340,895	396	97,351	11,428	14,623	59,504	110,706	3,066
Agricultural Marketing Service	4,554	4,554	0	0	0	0	0	0	0
Agricultural Research Service	881,479	795,275	0	66,900	4,491	1,830	12,983	0	0
Cooperative State Research, Education, & Extension Service	483,045	405,988	0	20,246	1,166	0	15,547	40,098	0
Economic Research Service	55,424	0	0	0	0	0	0	55,424	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0
Foreign Agricultural Service	1,422	1,422	0	0	0	0	0	0	0
Forest Service	196,940	125,977	396	10,205	5,771	8,937	30,974	11,614	3,066
Grain Inspection Packers & Stockyards Administration	5,554	5,554	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,856	0	0	0	0	3,856	0	0	0
Rural Business-Cooperative Svc	5,570	2,000	0	0	0	0	0	3,570	0
Department of Commerce, total	942,280	148,165	37	141,191	328,088	83,157	180,327	19,889	41,426
Bureau of the Census	112	0	37	0	0	75	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	364,702	28,042	0	113,483	1,177	62,710	159,290	0	0
Nat'l Oceanic & Atmospheric Admin	568,059	120,123	0	27,708	326,911	20,372	12,180	19,339	41,426
National Telecommunications & Information Administration	8,857	0	0	0	0	0	8,857	0	0
Department of Defense, total	4,410,304	534,489	55,897	381,272	286,493	744,773	2,065,123	35,248	307,009
Department of the Air Force	797,826	46,330	18,217	153,449	8,820	76,084	459,031	31,650	4,245
Department of the Army	843,301	97,425	14,856	69,459	48,007	84,917	401,318	0	127,319
Department of the Navy	928,915	89,453	0	63,808	210,639	51,369	513,646	0	0
Defense Agencies, total	1,840,262	301,281	22,824	94,556	19,027	532,403	691,128	3,598	175,445
Ballistic Missile Defense Org	49,029	0	0	16,886	0	7,744	19,316	0	5,083
Defense Adv Rsch Projects Agcy	1,078,749	143,912	0	0	0	475,766	400,522	0	58,549
Defense Info Systems Agcy	293	0	0	0	0	0	0	0	293
Defense Logistics Agency	8,776	0	8,776	0	0	0	0	0	0
Defense Threat Reduction Agency	228,470	0	0	36,700	5,543	0	74,884	0	111,343
Special Operations Command	21,130	870	0	0	0	0	20,083	0	177
Washington Headquarters Svcs	453,815	156,499	14,048	40,970	13,484	48,893	176,323	3,598	0
Department of Education	187,347	21,802	3,700	0	0	0	13,903	147,942	0
Department of Energy	4,523,630	274,126	0	1,843,445	311,523	886,382	1,192,198	0	15,956

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	16,548,385	14,313,905	579,616	245,695	47,432	158,418	224,526	230,573	748,220
Administration on Aging	5,000	0	0	0	0	0	0	5,000	0
Admin for Children & Families	31,860	0	0	0	0	0	0	31,860	0
Agency for Healthcare Research and Quality[1]	235,000	98,700	2,350	0	0	18,800	0	32,900	82,250
Centers for Disease Control & Prevention	517,978	517,978	0	0	0	0	0	0	0
Food & Drug Administration	160,876	160,876	0	0	0	0	0	0	0
Health Care Financing Admin	55,000	55,000	0	0	0	0	0	0	0
Health Resources & Services Admin	13,062	13,062	0	0	0	0	0	0	0
National Institutes of Health	15,512,609	13,468,289	577,266	245,695	47,432	139,618	224,526	143,813	665,970
Office of the Secretary, total	17,000	0	0	0	0	0	0	17,000	0
Office of the Asst Secretary, Planning & Evaluation	17,000	0	0	0	0	0	0	17,000	0
Dept of Housing & Urban Development	22,571	0	0	0	467	767	1,438	17,834	2,065
Department of the Interior, total	582,567	157,319	0	500	386,758	7,936	12,719	17,335	0
Bureau of Reclamation	6,649	0	0	0	1,595	0	4,854	200	0
Geological Survey	519,188	148,908	0	0	360,476	6,343	1,731	1,730	0
Minerals Management Service	28,728	248	0	0	21,080	496	4,489	2,415	0
National Park Service	28,002	8,163	0	500	3,607	1,097	1,645	12,990	0
Department of Justice, total	36,450	0	500	0	0	500	0	27,040	8,410
Bureau of Prisons	3,000	0	500	0	0	500	0	2,000	0
Office of Justice Programs	33,450	0	0	0	0	0	0	25,040	8,410
Department of Labor, total	32,834	0	0	0	0	0	0	32,834	0
Bureau of Labor Statistics	12,300	0	0	0	0	0	0	12,300	0
Employment & Training Admin	11,727	0	0	0	0	0	0	11,727	0
Occupational Safety & Hlth Admin	4,990	0	0	0	0	0	0	4,990	0
Pension Benefit Guaranty Corp	57	0	0	0	0	0	0	57	0
Pension & Welfare Benefits Admin	3,760	0	0	0	0	0	0	3,760	0
Department of State[2]	1,500	0	0	0	0	0	0	1,500	0
Department of Transportation, total	652,846	17,156	27,476	51,583	51,348	20,612	395,252	20,872	68,547
Coast Guard	5,088	0	800	0	520	1,100	2,668	0	0
Federal Aviation Administration	184,366	5,049	25,195	44,229	31,898	0	52,714	0	25,281
Federal Highway Administration	327,820	3,534	1,481	7,354	18,780	6,281	261,584	11,346	17,460
Federal Railroad Administration	24,669	0	0	0	0	247	8,140	0	16,282
Federal Transit Administration	3,824	0	0	0	0	0	3,824	0	0
National Highway Traffic Safety Administration	95,258	8,573	0	0	0	12,384	64,775	9,526	0
Research & Special Programs Admin	11,821	0	0	0	150	600	1,547	0	9,524
Department of the Treasury, total	59,847	0	1,095	2,582	0	0	0	56,170	0
Bureau of Engraving & Printing	2,582	0	0	2,582	0	0	0	0	0
Internal Revenue Service	56,007	0	0	0	0	0	0	56,007	0
Office of Thrift Supervision	163	0	0	0	0	0	0	163	0
United States Secret Service	1,095	0	1,095	0	0	0	0	0	0
Department of Veterans Affairs	359,635	283,699	54,327	0	0	0	21,609	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Preliminary Federal obligations for research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	750	0	0	0	0	0	0	750	0
Environmental Protection Agency	439,353	197,102	0	11,089	123,720	20,748	51,533	4,525	30,636
Federal Communications Commission	3,525	0	0	0	0	43	2,386	1,096	0
Federal Trade Commission	1,414	0	0	0	0	0	0	1,414	0
Internat'l Development Cooperation Agency, total	165,776	87,169	0	0	5,058	0	0	73,126	423
Agcy for Internat'l Development[3]	165,776	87,169	0	0	5,058	0	0	73,126	423
Library of Congress	551	0	0	551	0	0	0	0	0
National Aeronautics & Space Admin	4,700,922	313,149	23,406	943,617	1,060,705	88,744	2,240,332	363	30,606
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	3,179,928	520,756	5,384	668,502	626,202	490,552	574,836	139,035	154,661
Nuclear Regulatory Commission	53,000	0	0	0	0	0	53,000	0	0
Smithsonian Institution	103,000	39,446	0	42,694	4,022	0	0	16,029	809
Social Security Administration	41,600	0	0	0	0	0	0	41,600	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-23. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sci-ences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sci-ences, n.e.c.
Total, all agencies	632,623	18,034	66,644	547,945	15,422,452	6,477,638	720,612	849,416	6,801,169	573,617
Departments										
Department of Agriculture, total	340	0	340	0	1,200,396	152,653	262,122	760,922	24,699	0
Agricultural Marketing Service	0	0	0	0	4,015	0	0	4,015	0	0
Agricultural Research Service	0	0	0	0	700,998	38,791	101,385	550,135	10,687	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	381,318	87,962	86,153	199,277	7,926	0
Food Safety Inspection Service	0	0	0	0	250	250	0	0	0	0
Foreign Agricultural Service	0	0	0	0	1,422	0	0	1,422	0	0
Forest Service	340	0	340	0	108,379	25,650	74,584	2,059	6,086	0
Grain Inspection Packers & Stockyards Administration	0	0	0	0	2,714	0	0	2,714	0	0
Rural Business-Cooperative Svc	0	0	0	0	1,300	0	0	1,300	0	0
Department of Commerce, total	1,937	0	0	1,937	144,943	37,486	72,002	23,609	8,201	3,645
Bureau of the Census	1,937	0	0	1,937	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	0	0	0	0	23,501	17,193	0	900	2,698	2,710
Nat'l Oceanic & Atmospheric Admin	0	0	0	0	121,442	20,293	72,002	22,709	5,503	935
Department of Defense, total	45,823	3,280	10,501	32,042	473,764	161,919	24,444	0	224,430	62,971
Department of the Air Force	24,230	964	2,411	20,855	35,466	11,851	9,395	0	3,635	10,585
Department of the Army	11,187	0	0	11,187	120,412	5,646	0	0	112,280	2,486
Department of the Navy	0	0	0	0	81,720	11,305	7,648	0	13,582	49,185
Defense Agencies, total	10,406	2,316	8,090	0	236,166	133,117	7,401	0	94,933	715
Defense Adv Rsch Projects Agcy	0	0	0	0	104,653	92,066	0	0	12,587	0
Defense Logistics Agency	8,090	0	8,090	0	0	0	0	0	0	0
Defense Threat Reduction Agency	0	0	0	0	20	0	0	0	20	0
Special Operations Command	0	0	0	0	715	0	0	0	0	715
Washington Headquarters Svcs	2,316	2,316	0	0	130,778	41,051	7,401	0	82,326	0
Department of Education	3,150	0	2,650	500	19,639	0	0	0	14,365	5,274
Department of Energy	0	0	0	0	255,047	188,762	8,500	0	53,006	4,779
Dept of Health & Human Svcs, total	479,828	14,674	7,567	457,587	11,877,057	5,358,276	99	0	6,091,357	427,325
Agency for Healthcare Research and Quality [1]	694	0	337	357	71,772	0	0	0	69,717	2,055
Centers for Disease Control & Prevention	0	0	0	0	433,307	0	0	0	433,307	0
Food & Drug Administration	0	0	0	0	130,802	130,802	0	0	0	0
Health Care Financing Admin	0	0	0	0	49,671	0	0	0	0	49,671
Health Resources & Services Admin	0	0	0	0	12,798	0	0	0	12,798	0
National Institutes of Health	479,134	14,674	7,230	457,230	11,178,707	5,227,474	99	0	5,575,535	375,599
Department of the Interior, total	0	0	0	0	158,124	82,032	75,793	299	0	0
Geological Survey	0	0	0	0	151,753	79,995	71,524	234	0	0
Minerals Management Service	0	0	0	0	686	0	686	0	0	0
National Park Service	0	0	0	0	5,685	2,037	3,583	65	0	0
Department of Justice, total	500	0	300	200	0	0	0	0	0	0
Bureau of Prisons	500	0	300	200	0	0	0	0	0	0
Department of Transportation, total	25,748	14	25,734	0	12,162	0	2,050	672	4,630	4,810
Coast Guard	647	0	647	0	0	0	0	0	0	0
Federal Aviation Administration	23,866	0	23,866	0	4,630	0	0	0	4,630	0
Federal Highway Administration	1,235	14	1,221	0	2,722	0	2,050	672	0	0
National Highway Traffic Safety Administration	0	0	0	0	4,810	0	0	0	0	4,810
Department of the Treasury, total	531	0	0	531	0	0	0	0	0	0
United States Secret Service	531	0	0	531	0	0	0	0	0	0
Department of Veterans Affairs	50,277	0	0	50,277	262,009	0	0	0	262,009	0

See explanatory information, if any, and SOURCE at end of table.

Table C-23. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sci-ences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sci-ences, n.e.c.
Other agencies:										
Environmental Protection Agency	0	0	0	0	192,818	52,230	140,051	125	250	162
Internat'l Development Cooperation Agency, total	0	0	0	0	102,022	0	0	63,169	0	38,853
Agcy for Internat'l Development[2]	0	0	0	0	102,022	0	0	63,169	0	38,853
National Aeronautics & Space Admin	20,236	66	15,299	4,871	280,807	125,451	10,716	620	118,222	25,798
National Science Foundation	4,253	0	4,253	0	410,672	302,181	108,491	0	0	0
Smithsonian Institution	0	0	0	0	32,992	16,648	16,344	0	0	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999

[2] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development. Fiscal Years 1999, 2000, and 2001

Table C-24. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	4,066,156	757,859	814,936	2,221,916	271,445	3,095,261	1,176,493	660,169	656,599	602,000
Departments:										
Department of Agriculture, total	89,502	0	84,854	4,648	0	10,031	8,908	1,123	0	0
Agricultural Research Service	60,850	0	57,951	2,899	0	3,936	3,830	106	0	0
Cooperative State Research, Education, & Extension Service	19,872	0	19,872	0	0	1,130	1,130	0	0	0
Forest Service	8,780	0	7,031	1,749	0	4,965	3,948	1,017	0	0
Department of Commerce, total	116,534	384	48,654	67,165	331	297,394	119,712	8,316	107,620	61,746
Nat'l Inst of Standards & Tech	91,473	384	35,557	55,201	331	883	0	883	0	0
Nat'l Oceanic & Atmospheric Admin	25,061	0	13,097	11,964	0	296,511	119,712	7,433	107,620	61,746
Department of Defense, total	405,836	17,140	105,643	224,667	58,386	326,913	51,183	6,832	182,778	86,120
Department of the Air Force	139,149	0	37,199	101,709	241	9,082	4,024	2,133	0	2,925
Department of the Army	56,506	0	16,235	27,482	12,789	90,723	16,309	3,158	0	71,256
Department of the Navy	57,505	0	24,990	18,177	14,338	191,995	14,033	0	169,375	8,587
Defense Agencies, total	152,676	17,140	27,219	77,299	31,018	35,113	16,817	1,541	13,403	3,352
Ballistic Missile Defense Org	32,778	15,000	3,649	14,129	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	13,731	0	0	13,731	0	6,944	0	0	6,944	0
Defense Threat Reduction Agency	64,277	0	0	33,259	31,018	14,584	14,532	0	0	52
Washington Headquarters Svcs	41,890	2,140	23,570	16,180	0	13,585	2,285	1,541	6,459	3,300
Department of Energy	1,632,032	0	189,606	1,362,546	79,880	311,748	94,793	87,173	5,358	124,424
Dept of Health & Human Svcs, total	203,928	0	181,037	22,891	0	39,369	0	0	0	39,369
National Institutes of Health	203,928	0	181,037	22,891	0	39,369	0	0	0	39,369
Dept of Housing & Urban Development	0	0	0	0	0	395	0	0	0	395
Department of the Interior, total	542	0	500	0	42	415,412	2,054	242,101	18,028	153,229
Bureau of Reclamation	0	0	0	0	0	2,027	0	0	0	2,027
Geological Survey	0	0	0	0	0	390,454	0	241,581	0	148,873
Minerals Management Service	42	0	0	0	42	20,055	823	470	18,028	734
National Park Service	500	0	500	0	0	2,876	1,231	50	0	1,595
Department of Transportation, total	51,381	0	0	47,787	3,594	35,197	26,909	3,780	551	3,957
Coast Guard	0	0	0	0	0	551	0	0	551	0
Federal Aviation Administration	46,292	0	0	46,292	0	21,608	21,608	0	0	0
Federal Highway Administration	5,089	0	0	1,495	3,594	11,938	5,301	3,780	0	2,857
Federal Transit Administration	0	0	0	0	0	1,000	0	0	0	1,000
Research & Special Programs Admin	0	0	0	0	0	100	0	0	0	100
Department of the Treasury, total	2,016	0	163	9	1,844	0	0	0	0	0
Bureau of Engraving & Printing	2,016	0	163	9	1,844	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-24. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Other agencies										
Environmental Protection Agency	13,150	0	11,498	0	1,652	131,753	56,481	12,277	20,126	42,869
Internat'l Development Cooperation Agency, total	0	0	0	0	0	3,290	0	0	0	3,290
Agcy for Internat'l Development[1]	0	0	0	0	0	3,290	0	0	0	3,290
Library of Congress	544	0	435	0	109	0	0	0	0	0
National Aeronautics & Space Admin	983,616	578,973	48,403	317,643	38,597	1,025,831	657,889	186,064	108,544	73,334
National Archives & Records Admin	120	0	70	50	0	0	0	0	0	0
National Science Foundation	527,453	124,395	143,515	172,533	87,010	494,640	158,494	109,500	213,379	13,267
Smithsonian Institution	39,502	36,967	558	1,977	0	3,288	70	3,003	215	0

[1] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development, Fiscal Years 1999, 2000, and 2001

Table C-25. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nauti-cal	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total all agencies	6,263,420	1,609,733	620,596	203,170	328,510	698,721	240,404	788,027	1,774,259
Departments									
Department of Agriculture, total	56,351	0	0	8,504	4,745	586	3,597	0	38,919
Agricultural Research Service	11,429	0	0	5,953	1,604	531	1,416	0	1,925
Cooperative State Research, Education, & Extension Service	18,275	0	0	0	0	0	0	0	18,275
Forest Service	26,647	0	0	2,551	3,141	55	2,181	0	18,719
Department of Commerce, total	149,703	5	0	5,347	14,979	41,524	3,877	34,732	49,239
Nat'l Inst of Standards & Tech	138,522	5	0	5,347	14,979	34,651	3,877	34,732	44,931
Nat'l Oceanic & Atmospheric Admin	7,372	0	0	0	0	3,064	0	0	4,308
National Telecommunications & Information Administration	3,809	0	0	0	0	3,809	0	0	0
Department of Defense, total	1,950,341	350,878	41,788	34,773	46,818	555,575	168,304	286,317	465,888
Department of the Air Force	479,037	233,126	31,978	3,967	11,550	87,763	38,895	52,799	18,959
Department of the Army	340,662	37,629	203	12,797	35,082	127,348	55,910	28,117	43,576
Department of the Navy	493,798	33,692	5,815	0	0	145,296	50,035	61,470	197,490
Defense Agencies, total	636,844	46,431	3,792	18,009	186	195,168	23,464	143,931	205,863
Ballistic Missile Defense Org	31,311	0	1,284	0	0	2,016	0	2,015	25,996
Defense Adv Rsch Projects Agcy	401,520	45,338	2,004	1,747	53	95,998	0	105,679	150,701
Defense Threat Reduction Agency	43,384	590	389	12	0	29,830	298	0	12,265
Special Operations Command	16,901	0	0	0	0	0	0	0	16,901
Washington Headquarters Svcs	143,728	503	115	16,250	133	67,324	23,166	36,237	0
Department of Education	8,819	0	0	0	0	0	0	0	8,819
Department of Energy	1,087,340	0	0	94,270	45,707	30,837	17,453	331,177	567,896
Dept of Health & Human Svcs, total	186,357	0	0	0	0	0	0	0	186,357
National Institutes of Health	186,357	0	0	0	0	0	0	0	186,357
Dept of Housing & Urban Development	1,214	0	0	0	0	0	0	0	1,214
Department of the Interior, total	11,972	0	0	4,938	5,545	636	0	633	220
Bureau of Reclamation	5,575	0	0	2,659	1,974	402	0	540	0
Geological Survey	1,403	0	0	0	1,169	234	0	0	0
Minerals Management Service	4,446	0	0	1,731	2,402	0	0	93	220
National Park Service	548	0	0	548	0	0	0	0	0
Department of Transportation, total	291,048	24	0	1,034	149,699	1,386	21,409	4,190	113,306
Coast Guard	2,738	0	0	0	285	1,285	570	598	0
Federal Aviation Administration	34,804	0	0	0	31,879	0	2,925	0	0
Federal Highway Administration	189,851	24	0	1,034	116,576	6	0	2,894	69,317
Federal Railroad Administration	20,208	0	0	0	959	95	4,573	449	14,132
Federal Transit Administration	3,800	0	0	0	0	0	0	0	3,800
National Highway Traffic Safety Administration	34,487	0	0	0	0	0	13,341	0	21,146
Research & Special Programs Admin	5,160	0	0	0	0	0	0	249	4,911
Department of Veterans Affairs	19,998	0	0	0	0	0	0	0	19,998

See explanatory information, if any, and SOURCE at end of table.

Table C-25. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Other agencies:									
Environmental Protection Agency	61,396	0	0	10,047	21,446	294	505	1,032	28,072
Federal Communications Commission	1,516	0	0	0	0	1,356	0	0	160
National Aeronautics & Space Admin	1,937,932	1,258,826	578,808	2,790	118	19,695	18,159	18,062	41,474
National Science Foundation	450,316	0	0	41,467	39,453	46,832	7,100	111,884	203,580
Nuclear Regulatory Commission	49,000	0	0	0	0	0	0	0	49,000
United States Information Agency	117	0	0	0	0	0	0	0	117

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-26. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	1,980,628	345,312	1,516,077	119,239	854,873	18,305	216,560	20,164	83,832	516,012
Departments:										
Department of Agriculture, total	12,178	12,178	0	0	116,624	248	106,234	0	10,142	0
Agricultural Research Service	916	916	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	41,946	0	32,727	0	9,219	0
Economic Research Service	0	0	0	0	62,488	0	62,488	0	0	0
Forest Service	7,689	7,689	0	0	9,990	248	8,819	0	923	0
Nat'l Agricultural Statistics Svc	3,573	3,573	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	2,200	0	2,200	0	0	0
Department of Commerce, total	77,932	12,509	58,621	6,802	19,289	0	5,018	8,011	6,260	0
Bureau of the Census	3,935	0	0	3,935	0	0	0	0	0	0
Economic Development Admin	0	0	0	0	550	0	550	0	0	0
Nat'l Inst of Standards & Tech	54,572	3,745	47,960	2,867	0	0	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	19,425	8,764	10,661	0	18,739	0	4,468	8,011	6,260	0
Department of Defense, total	643,403	59,051	537,990	46,362	0	0	0	0	0	0
Department of the Air Force	66,424	11,504	20,102	34,818	0	0	0	0	0	0
Department of the Army	75,189	10,591	61,878	2,720	0	0	0	0	0	0
Department of the Navy	48,225	10,464	37,396	365	0	0	0	0	0	0
Defense Agencies, total	453,565	26,492	418,614	8,459	0	0	0	0	0	0
Ballistic Missile Defense Org	25,214	0	21,757	3,457	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	388,577	20,590	366,985	1,002	0	0	0	0	0	0
Defense Threat Reduction Agency	65	0	65	0	0	0	0	0	0	0
Washington Headquarters Svcs	39,709	5,902	29,807	4,000	0	0	0	0	0	0
Department of Education	0	0	0	0	117,018	0	700	0	0	116,318
Department of Energy	613,570	102,332	506,278	4,960	0	0	0	0	0	0
Dept of Health & Human Svcs, total	130,261	54,277	75,119	865	184,737	0	17,645	0	1,297	165,795
Administration on Aging	0	0	0	0	2,381	0	0	0	0	2,381
Admin for Children & Families	0	0	0	0	24,893	0	0	0	0	24,893
Agency for Healthcare Research and Quality[1]	14,377	296	13,216	865	24,149	0	17,645	0	1,003	5,501
National Institutes of Health	115,884	53,981	61,903	0	119,366	0	0	0	294	119,072
Office of the Secretary, total	0	0	0	0	13,948	0	0	0	0	13,948
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	13,948	0	0	0	0	13,948
Dept of Housing & Urban Development	649	0	0	649	15,065	0	11,628	108	971	2,358
Department of the Interior, total	6,813	1,052	4,454	1,307	17,183	4,487	195	1,877	3,028	7,596
Bureau of Reclamation	0	0	0	0	100	0	50	0	0	50
Geological Survey	5,144	1,052	4,092	0	1,404	0	0	0	819	585
Minerals Management Service	1,307	0	0	1,307	2,216	0	145	1,877	194	0
National Park Service	362	0	362	0	13,463	4,487	0	0	2,015	6,961
Department of Justice, total	500	0	0	500	42,724	0	100	0	18,375	24,249
Bureau of Prisons	500	0	0	500	6,449	0	100	0	1,200	5,149
Office of Justice Programs	0	0	0	0	36,275	0	0	0	17,175	19,100
Department of Labor, total	131	0	131	0	27,595	0	27,595	0	0	0
Bureau of Labor Statistics	0	0	0	0	12,400	0	12,400	0	0	0
Employment & Training Admin	0	0	0	0	8,816	0	8,816	0	0	0
Occupational Safety & Hlth Admin	0	0	0	0	3,757	0	3,757	0	0	0
Office of the Secretary	131	0	131	0	25	0	25	0	0	0
Pension Benefit Guaranty Corp	0	0	0	0	57	0	57	0	0	0
Pension & Welfare Benefits Admin	0	0	0	0	2,540	0	2,540	0	0	0
Department of State[2]	0	0	0	0	1,473	0	236	250	103	884

See explanatory information, if any, and SOURCE at end of table.

Table C-26. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of Transportation, total	12,639	96	4,677	7,866	12,994	0	2,100	932	0	9,962
Coast Guard	1,133	0	1,133	0	0	0	0	0	0	0
Federal Highway Administration	5,273	0	3,544	1,729	7,487	0	2,100	932	0	4,455
Federal Railroad Administration	96	96	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	5,546	0	0	5,546	5,507	0	0	0	0	5,507
Research & Special Programs Admin	591	0	0	591	0	0	0	0	0	0
Department of the Treasury, total	0	0	0	0	48,183	0	2,546	0	0	45,637
Internal Revenue Service	0	0	0	0	48,039	0	2,402	0	0	45,637
Office of Thrift Supervision	0	0	0	0	144	0	144	0	0	0
Other agencies										
Appalachian Regional Commission	0	0	0	0	831	0	831	0	0	0
Environmental Protection Agency	16,626	9,903	6,449	274	2,938	0	261	0	0	2,677
Federal Communications Commission	134	0	134	0	2,837	0	2,837	0	0	0
Federal Trade Commission	0	0	0	0	1,254	0	1,254	0	0	0
Internat'l Development Cooperation Agency, total	0	0	0	0	57,978	0	8,452	3,661	38,262	7,603
Agcy for Internat'l Development[3]	0	0	0	0	57,978	0	8,452	3,661	38,262	7,603
National Aeronautics & Space Admin	78,569	3,751	25,164	49,654	390	0	0	0	252	138
National Science Foundation	387,223	90,163	297,060	0	109,337	11,574	19,190	5,325	4,863	68,385
Smithsonian Institution	0	0	0	0	13,403	1,996	0	0	279	11,128
Social Security Administration	0	0	0	0	53,282	0	0	0	0	53,282
US International Trade Commission	0	0	0	0	9,738	0	9,738	0	0	0

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	17,443,653	3,255,172	1,082,837	313,434	9,107,066	1,565,490	1,650,021	354,862	61,390	53,381
Departments										
Department of Agriculture, total	743,295	526,511	5,793	0	204,892	0	3,251	0	923	1,925
Agricultural Research Service	461,747	433,428	0	0	24,740	0	1,663	0	0	1,916
Cooperative State Research, Education, & Extension Service	189,642	7,269	5,783	0	174,113	0	1,569	0	908	0
Economic Research Service	6,249	6,249	0	0	0	0	0	0	0	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0	0
Foreign Agricultural Service	865	574	0	0	291	0	0	0	0	0
Forest Service	80,777	74,976	10	0	5,748	0	19	0	15	9
Grain Inspection Packers & Stockyards Administration	2,714	2,714	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,176	1,176	0	0	0	0	0	0	0	0
Department of Commerce, total	49,128	43,667	974	0	4,354	10	73	0	0	50
Bureau of the Census	2,037	2,037	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	42,003	37,107	974	0	3,789	10	73	0	0	50
Nat'l Oceanic & Atmospheric Admin	5,088	4,523	0	0	565	0	0	0	0	0
Department of Defense, total	1,040,210	344,165	87,051	865	560,067	4,562	22,705	12,963	1,100	6,732
Department of the Air Force	191,401	86,506	11,190	0	92,400	770	0	0	0	535
Department of the Army	181,121	101,727	20,049	71	44,118	148	1,188	11,941	1,100	779
Department of the Navy	355,761	118,687	35,450	546	175,055	575	20,215	340	0	4,893
Defense Agencies, total	311,927	37,245	20,362	248	248,494	3,069	1,302	682	0	525
Defense Adv Rsch Projects Agcy	49,664	4,771	12,386	248	27,181	3,069	802	682	0	525
Washington Headquarters Svcs	262,263	32,474	7,976	0	221,313	0	500	0	0	0
Department of Education	2,049	134	0	0	1,915	0	0	0	0	0
Department of Energy	2,131,823	32,659	52,582	225,171	473,789	982,539	31,237	329,191	3,250	1,405
Dept of Health & Human Svcs, total	8,632,526	1,436,260	358,523	87,170	5,299,827	22,826	1,349,984	10,141	40,461	27,334
Health Resources & Services Admin	1,182	1,182	0	0	0	0	0	0	0	0
National Institutes of Health	8,631,344	1,435,078	358,523	87,170	5,299,827	22,826	1,349,984	10,141	40,461	27,334
Department of the Interior, total	59,136	55,461	0	0	3,494	0	120	0	61	0
Geological Survey	58,636	55,345	0	0	3,230	0	0	0	61	0
National Park Service	500	116	0	0	264	0	120	0	0	0
Department of Justice, total	17,775	275	0	0	9,406	0	7,107	0	987	0
Office of Justice Programs	17,775	275	0	0	9,406	0	7,107	0	987	0
Department of Labor, total	11,100	7,100	0	0	4,000	0	0	0	0	0
Bureau of Labor Statistics	11,100	7,100	0	0	4,000	0	0	0	0	0
Department of Transportation, total	60,689	25,809	23,485	0	4,686	400	4,314	0	1,995	0
Federal Highway Administration	60,689	25,809	23,485	0	4,686	400	4,314	0	1,995	0
Department of the Treasury, total	25	25	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	25	25	0	0	0	0	0	0	0	0
Department of Veterans Affairs	148,438	148,438	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies										
Environmental Protection Agency	56,988	13,449	19,119	0	16,286	0	6,795	0	1,181	158
Internat'l Development Cooperation Agency, total	67	8	0	0	1	0	50	0	0	8
Agcy for Internat'l Development [2]	67	8	0	0	1	0	50	0	0	8
National Aeronautics & Space Admin	2,040,901	510,057	477,643	168	557,451	402,104	82,816	1,819	6,359	2,484
National Science Foundation	2,359,503	21,154	57,667	60	1,966,898	153,049	141,569	748	5,073	13,285
Smithsonian Institution	90,000	90,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	18,981,738	3,482,533	1,191,972	308,172	10,043,726	1,621,147	1,871,243	338,053	66,755	58,137
Departments										
Department of Agriculture, total	805,488	550,838	5,337	0	243,346	0	3,251	0	923	1,793
Agricultural Research Service	486,826	453,905	0	0	29,474	0	1,663	0	0	1,784
Cooperative State Research, Education, & Extension Service	224,047	8,410	5,327	0	207,833	0	1,569	0	908	0
Economic Research Service	6,536	6,536	0	0	0	0	0	0	0	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0	0
Foreign Agricultural Service	865	574	0	0	291	0	0	0	0	0
Forest Service	82,410	76,609	10	0	5,748	0	19	0	15	9
Grain Inspection Packers & Stockyards Administration	3,410	3,410	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,269	1,269	0	0	0	0	0	0	0	0
Department of Commerce, total	50,095	44,632	977	0	4,353	10	73	0	0	50
Bureau of the Census	1,766	1,766	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	43,135	38,237	977	0	3,788	10	73	0	0	50
Nat'l Oceanic & Atmospheric Admin	5,194	4,629	0	0	565	0	0	0	0	0
Department of Defense, total	1,105,454	364,302	92,510	1,270	588,919	7,388	25,453	16,906	1,574	7,132
Department of the Air Force	198,933	93,713	8,334	261	93,427	2,600	165	0	0	433
Department of the Army	200,880	94,517	27,022	89	58,925	116	2,172	15,693	1,574	772
Department of the Navy	355,479	118,338	34,704	581	174,378	472	21,518	280	0	5,208
Defense Agencies, total	350,162	57,734	22,450	339	262,189	4,200	1,598	933	0	719
Defense Adv Rsch Projects Agcy	67,971	6,530	16,952	339	37,200	4,200	1,098	933	0	719
Washington Headquarters Svcs	282,191	51,204	5,498	0	224,989	0	500	0	0	0
Department of Education	2,055	114	0	0	1,941	0	0	0	0	0
Department of Energy	2,251,987	74,235	116,114	206,337	470,896	1,040,190	34,108	306,607	2,500	1,000
Dept of Health & Human Svcs, total	9,833,452	1,591,447	412,668	100,334	6,059,165	26,479	1,553,860	11,466	46,571	31,462
Health Resources & Services Admin	1,151	1,151	0	0	0	0	0	0	0	0
National Institutes of Health	9,832,301	1,590,296	412,668	100,334	6,059,165	26,479	1,553,860	11,466	46,571	31,462
Department of the Interior, total	51,770	48,198	0	0	3,391	0	120	0	61	0
Geological Survey	51,270	48,082	0	0	3,127	0	0	0	61	0
National Park Service	500	116	0	0	264	0	120	0	0	0
Department of Justice, total	21,705	5	0	0	9,500	0	12,200	0	0	0
Office of Justice Programs	21,705	5	0	0	9,500	0	12,200	0	0	0
Department of Labor, total	11,000	7,100	0	0	3,900	0	0	0	0	0
Bureau of Labor Statistics	11,000	7,100	0	0	3,900	0	0	0	0	0
Department of Transportation, total	63,710	13,786	34,570	0	7,225	250	5,098	594	2,187	0
Federal Highway Administration	63,710	13,786	34,570	0	7,225	250	5,098	594	2,187	0
Department of the Treasury, total	28	28	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	28	28	0	0	0	0	0	0	0	0
Department of Veterans Affairs	160,527	160,527	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2000

[Dollars in thousands]

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Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Environmental Protection Agency	58,098	13,711	19,463	0	16,616	0	6,914	0	1,220	174
National Aeronautics & Space Admin	1,977,760	494,272	449,437	168	557,451	385,212	80,671	1,690	6,362	2,497
National Science Foundation	2,491,609	22,338	60,896	63	2,077,023	161,618	149,495	790	5,357	14,029
Smithsonian Institution	97,000	97,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	20,274,385	3,650,459	1,192,842	325,058	10,906,374	1,747,175	1,980,253	340,227	68,660	63,337
Departments										
Department of Agriculture, total	828,368	609,400	4,438	0	208,417	0	3,251	0	923	1,939
Agricultural Research Service	523,075	501,065	0	0	18,417	0	1,663	0	0	1,930
Cooperative State Research, Education, & Extension Service	198,048	7,182	4,428	0	183,961	0	1,569	0	908	0
Economic Research Service	5,542	5,542	0	0	0	0	0	0	0	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0	0
Foreign Agricultural Service	865	574	0	0	291	0	0	0	0	0
Forest Service	93,890	88,089	10	0	5,748	0	19	0	15	9
Grain Inspection Packers & Stockyards Administration	5,554	5,554	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,269	1,269	0	0	0	0	0	0	0	0
Department of Commerce, total	65,015	48,195	2,337	0	14,175	10	248	0	0	50
Bureau of the Census	41	41	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	59,780	43,525	2,337	0	13,610	10	248	0	0	50
Nat'l Oceanic & Atmospheric Admin	5,194	4,629	0	0	565	0	0	0	0	0
Department of Defense, total	1,213,457	392,859	101,882	1,346	657,212	8,395	26,904	15,853	1,323	7,683
Department of the Air Force	206,916	104,714	9,000	300	89,902	2,500	0	0	0	500
Department of the Army	204,286	104,330	26,967	0	54,333	96	2,154	14,343	1,323	740
Department of the Navy	396,089	130,163	39,897	617	196,207	483	22,860	329	0	5,533
Defense Agencies, total	406,166	53,652	26,018	429	316,770	5,316	1,890	1,181	0	910
Defense Adv Rsch Projects Agcy	86,036	8,266	21,457	429	47,087	5,316	1,390	1,181	0	910
Washington Headquarters Svcs	320,130	45,386	4,561	0	269,683	0	500	0	0	0
Department of Education	2,244	104	0	0	2,140	0	0	0	0	0
Department of Energy	2,383,646	58,342	125,733	216,865	521,509	1,130,319	18,279	309,852	2,100	647
Dept of Health & Human Svcs, total	10,398,215	1,661,978	438,454	106,604	6,416,995	28,134	1,650,958	12,183	49,481	33,428
Health Resources & Services Admin	1,151	1,151	0	0	0	0	0	0	0	0
National Institutes of Health	10,397,064	1,660,827	438,454	106,604	6,416,995	28,134	1,650,958	12,183	49,481	33,428
Department of the Interior, total	55,933	52,305	0	0	3,447	0	120	0	61	0
Geological Survey	55,433	52,189	0	0	3,183	0	0	0	61	0
National Park Service	500	116	0	0	264	0	120	0	0	0
Department of Justice, total	19,505	5	0	0	8,600	0	10,900	0	0	0
Office of Justice Programs	19,505	5	0	0	8,600	0	10,900	0	0	0
Department of Labor, total	11,000	7,100	0	0	3,900	0	0	0	0	0
Bureau of Labor Statistics	11,000	7,100	0	0	3,900	0	0	0	0	0
Department of Transportation, total	90,269	41,508	35,669	0	6,009	250	6,071	0	762	0
Federal Highway Administration	90,269	41,508	35,669	0	6,009	250	6,071	0	762	0
Department of the Treasury, total	28	28	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	28	28	0	0	0	0	0	0	0	0
Department of Veterans Affairs	160,656	160,656	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies											
Environmental Protection Agency	57,762	13,632	19,350	0	16,520	0	6,874	0	1,213	173
National Aeronautics & Space Admin	1,898,266	474,567	391,975	167	557,451	386,314	77,428	1,392	6,374	2,598
National Science Foundation	2,987,021	26,780	73,004	76	2,489,999	193,753	179,220	947	6,423	16,819
Smithsonian Institution	103,000	103,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-30. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	17,443,653	18,981,738	20,274,385
Life sciences, total	9,197,114	10,374,410	10,964,597
Biological (excluding environmental)	4,236,900	NA	NA
Environmental biology	280,219	NA	NA
Agricultural	424,482	NA	NA
Medical	3,956,451	NA	NA
Life sciences, n.e.c.	299,062	NA	NA
Psychology, total	347,303	408,697	425,613
Biological aspects	12,234	NA	NA
Social aspects	9,929	NA	NA
Psychological sciences, n.e.c.	325,140	NA	NA
Physical sciences, total	3,089,798	3,217,634	3,401,049
Astronomy	718,412	NA	NA
Chemistry	554,614	NA	NA
Physics	1,693,823	NA	NA
Physical sciences, n.e.c.	122,949	NA	NA
Environmental sciences, total	1,615,729	1,630,597	1,722,268
Atmospheric	671,040	NA	NA
Geological	412,072	NA	NA
Oceanography	383,886	NA	NA
Environmental sciences, n.e.c.	148,731	NA	NA
Mathematics & computer sciences, total	734,928	760,756	920,090
Mathematics	254,035	NA	NA
Computer sciences	438,302	NA	NA
Mathematics & computer sciences, n.e.c.	42,591	NA	NA
Engineering, total	1,639,691	1,716,887	1,870,338
Aeronautical	331,713	NA	NA
Astronautical	66,176	NA	NA
Chemical	55,178	NA	NA
Civil	68,846	NA	NA
Electrical	185,642	NA	NA
Mechanical	99,578	NA	NA
Metallurgy & materials	481,169	NA	NA
Engineering, n.e.c.	351,389	NA	NA
Social sciences, total	246,547	273,429	299,834
Anthropology	13,404	NA	NA
Economics	45,334	NA	NA
Political science	4,769	NA	NA
Sociology	9,157	NA	NA
Social sciences, n.e.c.	173,883	NA	NA
Other sciences, n.e.c.	572,543	599,328	670,596

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY:
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-31. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	17,443,653	9,197,114	347,303	3,089,798	1,615,729	734,928	1,639,691	246,547	572,543
Departments:									
Department of Agriculture, total	743,295	653,063	111	43,701	4,377	3,084	19,242	19,079	638
Agricultural Research Service	461,747	424,217	0	30,752	2,030	589	4,159	0	0
Cooperative State Research, Education, & Extension Service	189,642	168,086	0	7,465	557	0	4,100	9,434	0
Economic Research Service	6,249	0	0	0	0	0	0	6,249	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0
Foreign Agricultural Service	865	865	0	0	0	0	0	0	0
Forest Service	80,777	57,056	111	5,484	1,790	1,319	10,983	3,396	638
Grain Inspection Packers & Stockyards Administration	2,714	2,714	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,176	0	0	0	0	1,176	0	0	0
Department of Commerce, total	49,128	4,265	672	32,025	5,687	2,696	3,783	0	0
Bureau of the Census	2,037	0	672	0	0	1,365	0	0	0
Nat'l Inst of Standards & Tech	42,003	4,265	0	32,025	599	1,331	3,783	0	0
Nat'l Oceanic & Atmospheric Admin	5,088	0	0	0	5,088	0	0	0	0
Department of Defense, total	1,040,210	146,031	5,709	143,727	146,334	121,478	421,959	0	54,972
Department of the Air Force	191,401	10,426	30	37,976	0	30,914	104,128	0	7,927
Department of the Army	181,121	22,332	3,363	23,961	12,191	24,572	47,717	0	46,985
Department of the Navy	355,761	46,336	0	52,475	120,558	28,772	107,620	0	0
Defense Agencies, total	311,927	66,937	2,316	29,315	13,585	37,220	162,494	0	60
Defense Adv Rsch Projects Agcy	49,664	4,332	0	0	0	8,864	36,408	0	60
Washington Headquarters Svcs	262,263	62,605	2,316	29,315	13,585	28,356	126,086	0	0
Department of Education	2,049	0	0	0	0	0	0	2,049	0
Department of Energy	2,131,823	192,741	0	1,297,186	231,529	124,884	284,508	0	975
Dept of Health & Human Svcs, total	8,632,526	7,495,048	321,197	136,706	26,392	77,685	124,927	80,019	370,552
Health Resources & Services Admin	1,182	1,182	0	0	0	0	0	0	0
National Institutes of Health	8,631,344	7,493,866	321,197	136,706	26,392	77,685	124,927	80,019	370,552
Department of the Interior, total	59,136	13,021	0	500	45,615	0	0	0	0
Geological Survey	58,636	13,021	0	0	45,615	0	0	0	0
National Park Service	500	0	0	500	0	0	0	0	0
Department of Justice, total	17,775	0	0	0	0	0	0	17,775	0
Office of Justice Programs	17,775	0	0	0	0	0	0	17,775	0
Department of Labor, total	11,100	0	0	0	0	0	0	11,100	0
Bureau of Labor Statistics	11,100	0	0	0	0	0	0	11,100	0
Department of Transportation, total	60,689	0	286	799	840	1,211	51,385	5,607	561
Federal Highway Administration	60,689	0	286	799	840	1,211	51,385	5,607	561
Department of the Treasury, total	25	0	0	25	0	0	0	0	0
Bureau of Engraving & Printing	25	0	0	25	0	0	0	0	0
Department of Veterans Affairs	148,438	132,982	11,246	0	0	0	4,210	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-31. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Environmental Protection Agency	56,988	38,547	0	2,645	12,710	993	2,093	0	0
Internat'l Development Cooperation Agency, total	67	0	0	0	0	0	0	0	67
Agcy for Internat'l Development[1]	67	0	0	0	0	0	0	0	67
National Aeronautics & Space Admin	2,040,901	94,868	3,833	880,767	644,522	22,515	371,307	390	22,699
National Science Foundation	2,359,503	393,556	4,249	512,215	494,435	380,382	356,277	97,125	121,264
Smithsonian Institution	90,000	32,992	0	39,502	3,288	0	0	13,403	815

[1] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	18,981,738	10,374,410	408,697	3,217,634	1,630,597	760,756	1,716,887	273,429	599,328
Departments									
Department of Agriculture, total	805,488	710,054	113	45,376	4,324	3,357	21,628	19,985	651
Agricultural Research Service	486,826	448,023	0	31,506	1,924	743	4,630	0	0
Cooperative State Research, Education, & Extension Service	224,047	199,421	0	8,275	575	0	5,792	9,984	0
Economic Research Service	6,536	0	0	0	0	0	0	6,536	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0
Foreign Agricultural Service	865	865	0	0	0	0	0	0	0
Forest Service	82,410	58,210	113	5,595	1,825	1,345	11,206	3,465	651
Grain Inspection Packers & Stockyards Administration	3,410	3,410	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,269	0	0	0	0	1,269	0	0	0
Department of Commerce, total	50,095	4,380	583	32,888	5,809	2,550	3,885	0	0
Bureau of the Census	1,766	0	583	0	0	1,183	0	0	0
Nat'l Inst of Standards & Tech	43,135	4,380	0	32,888	615	1,367	3,885	0	0
Nat'l Oceanic & Atmospheric Admin	5,194	0	0	0	5,194	0	0	0	0
Department of Defense, total	1,105,454	161,333	21,404	143,987	150,502	127,522	473,544	2,838	24,324
Department of the Air Force	198,933	19,330	102	29,458	0	27,244	118,785	0	4,014
Department of the Army	200,880	26,225	4,432	30,828	18,579	34,223	67,963	0	18,630
Department of the Navy	355,479	46,299	0	52,433	120,462	28,749	107,536	0	0
Defense Agencies, total	350,162	69,479	16,870	31,268	11,461	37,306	179,260	2,838	1,680
Defense Adv Rsch Projects Agcy	67,971	4,123	0	0	0	11,106	51,062	0	1,680
Washington Headquarters Svcs	282,191	65,356	16,870	31,268	11,461	26,200	128,198	2,838	0
Department of Education	2,055	0	0	0	0	0	0	2,055	0
Department of Energy	2,251,987	223,066	0	1,402,246	232,464	112,809	280,411	0	991
Dept of Health & Human Svcs, total	9,833,452	8,537,707	365,888	155,727	30,064	88,493	142,310	91,152	422,111
Health Resources & Services Admin	1,151	1,151	0	0	0	0	0	0	0
National Institutes of Health	9,832,301	8,536,556	365,888	155,727	30,064	88,493	142,310	91,152	422,111
Department of the Interior, total	51,770	10,952	0	500	40,318	0	0	0	0
Geological Survey	51,270	10,952	0	0	40,318	0	0	0	0
National Park Service	500	0	0	500	0	0	0	0	0
Department of Justice, total	21,705	0	0	0	0	0	0	21,700	5
Office of Justice Programs	21,705	0	0	0	0	0	0	21,700	5
Department of Labor, total	11,000	0	0	0	0	0	0	11,000	0
Bureau of Labor Statistics	11,000	0	0	0	0	0	0	11,000	0
Department of Transportation, total	63,710	17	366	1,380	1,141	1,501	51,942	6,919	444
Federal Highway Administration	63,710	17	366	1,380	1,141	1,501	51,942	6,919	444
Department of the Treasury, total	28	0	0	28	0	0	0	0	0
Bureau of Engraving & Printing	28	0	0	28	0	0	0	0	0
Department of Veterans Affairs	160,527	143,840	12,142	0	0	0	4,545	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Environmental Protection Agency	58,098	38,290	0	726	15,478	1,026	2,578	0	0
National Aeronautics & Space Admin	1,977,760	91,933	3,715	853,518	624,582	21,818	359,819	378	21,997
National Science Foundation	2,491,609	415,590	4,486	540,893	522,118	401,680	376,225	102,564	128,053
Smithsonian Institution	97,000	37,248	0	40,365	3,797	0	0	14,838	752

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	20,274,385	10,964,597	425,613	3,401,049	1,722,268	920,090	1,870,338	299,834	670,596
Departments:									
Department of Agriculture, total	828,368	731,587	129	47,298	4,940	3,908	21,247	18,517	742
Agricultural Research Service	523,075	481,372	0	33,318	2,286	1,106	4,993	0	0
Cooperative State Research, Education, & Extension Service	198,048	177,353	0	7,606	574	0	3,488	9,027	0
Economic Research Service	5,542	0	0	0	0	0	0	5,542	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0
Foreign Agricultural Service	865	865	0	0	0	0	0	0	0
Forest Service	93,890	66,318	129	6,374	2,080	1,533	12,766	3,948	742
Grain Inspection Packers & Stockyards Administration	5,554	5,554	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,269	0	0	0	0	1,269	0	0	0
Department of Commerce, total	65,015	6,070	14	45,579	6,046	1,922	5,384	0	0
Bureau of the Census	41	0	14	0	0	27	0	0	0
Nat'l Inst of Standards & Tech	59,780	6,070	0	45,579	852	1,895	5,384	0	0
Nat'l Oceanic & Atmospheric Admin	5,194	0	0	0	5,194	0	0	0	0
Department of Defense, total	1,213,457	156,298	17,073	163,026	158,782	156,580	511,526	3,598	46,574
Department of the Air Force	206,916	21,100	100	38,000	0	32,391	111,325	0	4,000
Department of the Army	204,286	26,072	4,371	29,942	12,526	31,911	67,094	0	32,370
Department of the Navy	396,089	51,590	0	58,425	134,218	32,035	119,821	0	0
Defense Agencies, total	406,166	57,536	12,602	36,659	12,038	60,243	213,286	3,598	10,204
Defense Adv Rsch Projects Agcy	86,036	0	0	0	0	25,108	50,724	0	10,204
Washington Headquarters Svcs	320,130	57,536	12,602	36,659	12,038	35,135	162,562	3,598	0
Department of Education	2,244	0	0	0	0	0	0	2,244	0
Department of Energy	2,383,646	221,468	0	1,467,325	232,581	158,907	302,365	0	1,000
Dept of Health & Human Svcs, total	10,398,215	9,028,043	386,904	164,672	31,791	93,576	150,484	96,389	446,356
Health Resources & Services Admin	1,151	1,151	0	0	0	0	0	0	0
National Institutes of Health	10,397,064	9,026,892	386,904	164,672	31,791	93,576	150,484	96,389	446,356
Department of the Interior, total	55,933	12,722	0	500	42,711	0	0	0	0
Geological Survey	55,433	12,722	0	0	42,711	0	0	0	0
National Park Service	500	0	0	500	0	0	0	0	0
Department of Justice, total	19,505	0	0	0	0	0	0	19,500	5
Office of Justice Programs	19,505	0	0	0	0	0	0	19,500	5
Department of Labor, total	11,000	0	0	0	0	0	0	11,000	0
Bureau of Labor Statistics	11,000	0	0	0	0	0	0	11,000	0
Department of Transportation, total	90,269	19	398	1,512	1,240	1,631	75,749	9,237	483
Federal Highway Administration	90,269	19	398	1,512	1,240	1,631	75,749	9,237	483
Department of the Treasury, total	28	0	0	28	0	0	0	0	0
Bureau of Engraving & Printing	28	0	0	28	0	0	0	0	0
Department of Veterans Affairs	160,656	143,955	12,152	0	0	0	4,549	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Environmental Protection Agency	57,762	38,528	0	763	14,746	1,079	2,646	0	0
National Aeronautics & Space Admin	1,898,266	88,238	3,565	819,212	599,477	20,941	345,357	363	21,113
National Science Foundation	2,987,021	498,223	5,378	648,440	625,932	481,546	451,031	122,957	153,514
Smithsonian Institution	103,000	39,446	0	42,694	4,022	0	0	16,029	809

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-34. Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	347,303	12,234	9,929	325,140	9,197,114	4,236,900	280,219	424,482	3,956,451	299,062
Departments:										
Department of Agriculture, total	111	0	111	0	653,063	93,722	119,987	423,815	15,539	0
Agricultural Research Service	0	0	0	0	424,217	29,873	57,564	329,259	7,521	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	168,086	47,882	26,670	89,764	3,770	0
Food Safety Inspection Service	0	0	0	0	125	125	0	0	0	0
Foreign Agricultural Service	0	0	0	0	865	0	0	865	0	0
Forest Service	111	0	111	0	57,056	15,842	35,753	1,213	4,248	0
Grain Inspection Packers & Stockyards Administration	0	0	0	0	2,714	0	0	2,714	0	0
Department of Commerce, total	672	0	0	672	4,265	4,265	0	0	0	0
Bureau of the Census	672	0	0	672	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	0	0	0	0	4,265	4,265	0	0	0	0
Department of Defense, total	5,709	2,316	0	3,393	146,031	44,004	15,049	0	61,105	25,873
Department of the Air Force	30	0	0	30	10,426	6,791	0	0	3,635	0
Department of the Army	3,363	0	0	3,363	22,332	2,714	0	0	17,132	2,486
Department of the Navy	0	0	0	0	46,336	7,619	7,648	0	7,682	23,387
Defense Agencies, total	2,316	2,316	0	0	66,937	26,880	7,401	0	32,656	0
Defense Adv Rsch Projects Agcy	0	0	0	0	4,332	4,332	0	0	0	0
Washington Headquarters Svcs	2,316	2,316	0	0	62,605	22,548	7,401	0	32,656	0
Department of Energy	0	0	0	0	192,741	186,462	1,500	0	0	4,779
Dept of Health & Human Svcs, total	321,197	9,838	4,847	306,512	7,495,048	3,504,351	67	0	3,7[illegible]	251,789
Health Resources & Services Admin	0	0	0	0	1,182	0	0	0	1,182	0
National Institutes of Health	321,197	9,838	4,847	306,512	7,493,866	3,504,351	67	0	3,737,659	251,789
Department of the Interior, total	0	0	0	0	13,021	6,901	6,120	0	0	0
Geological Survey	0	0	0	0	13,021	6,901	6,120	0	0	0
Department of Transportation, total	286	14	272	0	0	0	0	0	0	0
Federal Highway Administration	286	14	272	0	0	0	0	0	0	0
Department of Veterans Affairs	11,246	0	0	11,246	132,982	0	0	0	132,982	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	38,547	19,151	19,255	47	94	0
National Aeronautics & Space Admin	3,833	66	450	3,317	94,868	64,733	5,004	620	7,890	16,621
National Science Foundation	4,249	0	4,249	0	393,556	296,663	96,893	0	0	0
Smithsonian Institution	0	0	0	0	32,992	16,648	16,344	0	0	0

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies. Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-35. Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	3,089,798	718,412	554,614	1,693,823	122,949	1,615,729	671,040	412,072	383,886	148,731
Departments:										
Department of Agriculture, total	43,701	0	41,423	2,278	0	4,377	4,069	308	0	0
Agricultural Research Service	30,752	0	29,330	1,422	0	2,030	1,990	40	0	0
Cooperative State Research, Education, & Extension Service	7,465	0	7,465	0	0	557	557	0	0	0
Forest Service	5,484	0	4,628	856	0	1,790	1,522	268	0	0
Department of Commerce, total	32,025	384	11,508	19,933	200	5,687	3,746	599	1,342	0
Nat'l Inst of Standards & Tech	32,025	384	11,508	19,933	200	599	0	599	0	0
Nat'l Oceanic & Atmospheric Admin	0	0	0	0	0	5,088	3,746	0	1,342	0
Department of Defense, total	143,727	2,140	63,387	66,492	11,708	146,334	15,005	3,193	118,687	9,449
Department of the Air Force	37,976	0	19,716	18,260	0	0	0	0	0	0
Department of the Army	23,961	0	7,686	13,875	2,400	12,191	4,390	1,652	0	6,149
Department of the Navy	52,475	0	24,990	18,177	9,308	120,558	8,330	0	112,228	0
Defense Agencies, total	29,315	2,140	10,995	16,180	0	13,585	2,285	1,541	6,459	3,300
Washington Headquarters Svcs	29,315	2,140	10,995	16,180	0	13,585	2,285	1,541	6,459	3,300
Department of Energy	1,297,186	0	137,043	1,160,143	0	231,529	94,793	87,173	4,868	44,695
Dept of Health & Human Svcs, total	136,706	0	121,361	15,345	0	26,392	0	0	0	26,392
National Institutes of Health	136,706	0	121,361	15,345	0	26,392	0	0	0	26,392
Department of the Interior, total	500	0	500	0	0	45,615	0	45,615	0	0
Geological Survey	0	0	0	0	0	45,615	0	45,615	0	0
National Park Service	500	0	500	0	0	0	0	0	0	0
Department of Transportation, total	799	0	0	0	799	840	0	840	0	0
Federal Highway Administration	799	0	0	0	799	840	0	840	0	0
Department of the Treasury, total	25	0	24	1	0	0	0	0	0	0
Bureau of Engraving & Printing	25	0	24	1	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	2,645	0	2,645	0	0	12,710	0	1,659	7,370	3,681
National Aeronautics & Space Admin	880,767	554,526	40,191	258,563	27,487	644,522	394,865	160,215	38,130	51,312
National Science Foundation	512,215	124,395	135,974	169,091	82,755	494,435	158,492	109,467	213,274	13,202
Smithsonian Institution	39,502	36,967	558	1,977	0	3,288	70	3,003	215	0

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-36. Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	1,639,691	331,713	66,176	55,178	68,846	185,642	99,578	481,169	351,389
Departments:									
Department of Agriculture, total	19,242	0	0	3,659	1,437	377	1,121	0	12,648
Agricultural Research Service	4,159	0	0	2,097	625	361	489	0	587
Cooperative State Research, Education, & Extension Service	4,100	0	0	0	0	0	0	0	4,100
Forest Service	10,983	0	0	1,562	812	16	632	0	7,961
Department of Commerce, total	3,783	0	0	691	122	108	613	1,723	526
Nat'l Inst of Standards & Tech	3,783	0	0	691	122	108	613	1,723	526
Department of Defense, total	421,959	65,738	2,534	10,564	6,635	141,002	66,035	92,836	36,615
Department of the Air Force	104,128	55,090	2,419	0	0	12,478	15,866	10,233	8,042
Department of the Army	47,717	7,067	0	1,399	6,502	14,770	6,496	11,483	0
Department of the Navy	107,620	3,078	0	0	0	38,431	20,507	24,931	20,673
Defense Agencies, total	162,494	503	115	9,165	133	75,323	23,166	46,189	7,900
Defense Adv Rsch Projects Agcy	36,408	0	0	0	0	18,556	0	9,952	7,900
Washington Headquarters Svcs	126,086	503	115	9,165	133	56,767	23,166	36,237	0
Department of Energy	284,508	0	0	3,922	0	0	16,692	261,568	2,326
Dept of Health & Human Svcs, total	124,927	0	0	0	0	0	0	0	124,927
National Institutes of Health	124,927	0	0	0	0	0	0	0	124,927
Department of Transportation, total	51,385	6	0	251	28,642	0	0	687	21,799
Federal Highway Administration	51,385	6	0	251	28,642	0	0	687	21,799
Department of Veterans Affairs	4,210	0	0	0	0	0	0	0	4,210
Other agencies:									
Environmental Protection Agency	2,093	0	0	572	0	0	0	0	1,521
National Aeronautics & Space Admin	371,307	265,969	63,642	2,361	91	5,968	8,982	14,862	9,432
National Science Foundation	356,277	0	0	33,158	31,919	38,187	6,135	109,493	137,385

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-37. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	734,928	254,035	438,302	42,591	246,547	13,404	45,334	4,769	9,157	173,883
Departments:										
Department of Agriculture, total	3,084	3,084	0	0	19,079	100	16,482	0	2,497	0
Agricultural Research Service	589	589	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	9,434	0	7,285	0	2,149	0
Economic Research Service	0	0	0	0	6,249	0	6,249	0	0	0
Forest Service	1,319	1,319	0	0	3,396	100	2,948	0	348	0
Nat'l Agricultural Statistics Svc	1,176	1,176	0	0	0	0	0	0	0	0
Department of Commerce, total	2,696	0	1,331	1,365	0	0	0	0	0	0
Bureau of the Census	1,365	0	0	1,365	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	1,331	0	1,331	0	0	0	0	0	0	0
Department of Defense, total	121,478	20,243	65,129	36,106	0	0	0	0	0	0
Department of the Air Force	30,914	0	0	30,914	0	0	0	0	0	0
Department of the Army	24,572	3,877	19,868	827	0	0	0	0	0	0
Department of the Navy	28,772	10,464	17,943	365	0	0	0	0	0	0
Defense Agencies, total	37,220	5,902	27,318	4,000	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	8,864	0	8,864	0	0	0	0	0	0	0
Washington Headquarters Svcs	28,356	5,902	18,454	4,000	0	0	0	0	0	0
Department of Education	0	0	0	0	2,049	0	0	0	0	2,049
Department of Energy	124,884	102,332	22,552	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	77,685	36,187	41,498	0	80,019	0	0	0	197	79,822
National Institutes of Health	77,685	36,187	41,498	0	80,019	0	0	0	197	79,822
Department of Justice, total	0	0	0	0	17,775	0	0	0	2,075	15,700
Office of Justice Programs	0	0	0	0	17,775	0	0	0	2,075	15,700
Department of Labor, total	0	0	0	0	11,100	0	11,100	0	0	0
Bureau of Labor Statistics	0	0	0	0	11,100	0	11,100	0	0	0
Department of Transportation, total	1,211	0	801	410	5,607	0	2,100	7	0	3,500
Federal Highway Administration	1,211	0	801	410	5,607	0	2,100	7	0	3,500
Other agencies:										
Environmental Protection Agency	993	890	0	103	0	0	0	0	0	0
National Aeronautics & Space Admin	22,515	1,145	16,763	4,607	390	0	0	0	252	138
National Science Foundation	380,382	90,154	290,228	0	97,125	11,308	15,652	4,762	3,857	61,546
Smithsonian Institution	0	0	0	0	13,403	1,996	0	0	279	11,128

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development. Fiscal Years 1999, 2000, and 2001

Table C-38. Federal obligations for applied research, by agency and performer: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	16,083,861	5,430,649	3,497,012	565,817	4,096,710	988,588	1,156,697	114,628	171,009	62,751
Departments:										
Department of Agriculture, total	744,764	441,013	12,699	0	276,655	0	10,195	0	2,666	1,536
Agricultural Marketing Service	4,015	3,704	0	0	286	0	0	0	25	0
Agricultural Research Service	316,382	296,978	0	0	16,952	0	1,139	0	0	1,313
Cooperative State Research, Education, & Extension Service	272,899	18,784	8,130	0	240,442	0	4,683	0	860	0
Economic Research Service	56,239	46,368	4,399	0	3,508	0	1,954	0	0	10
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0	0
Foreign Agricultural Service	557	202	0	0	355	0	0	0	0	0
Forest Service	88,650	71,268	170	0	14,179	0	1,039	0	1,781	213
Nat'l Agricultural Statistics Svc	2,397	2,164	0	0	153	0	80	0	0	0
Rural Business-Cooperative Svc	3,500	1,420	0	0	780	0	1,300	0	0	0
Department of Commerce, total	798,872	622,498	80,278	100	92,434	97	2,040	2	470	953
Bureau of the Census	3,835	3,835	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	177	0	323	0	0	0	0	0
Nat'l Inst of Standards & Tech	266,948	179,008	78,368	100	8,398	12	885	2	0	175
Nat'l Oceanic & Atmospheric Admin	523,730	435,796	1,733	0	83,713	85	1,155	0	470	778
National Telecommunications & Information Administration	3,809	3,809	0	0	0	0	0	0	0	0
Department of Defense, total	3,102,052	1,141,891	1,337,532	16,460	428,896	72,287	68,307	14,094	6,226	16,359
Department of the Air Force	573,368	290,132	238,915	5,913	18,166	1,850	14,205	825	0	3,362
Department of the Army	667,278	404,342	198,045	376	41,297	190	13,573	1,213	6,226	2,016
Department of the Navy	517,482	223,179	215 108	128	67,291	2,902	5,485	588	0	2,801
Defense Agencies, total	1,343,924	224,238	685,464	10,043	302,142	67,345	35,044	11,468	0	8,180
Ballistic Missile Defense Org	104,487	28,051	64,418	100	7,341	4,001	446	0	0	130
Defense Adv Rsch Projects Agcy	898,967	73,433	457,445	8,132	272,144	41,839	32,833	8,708	0	4,433
Defense Info Systems Agcy	1,951	709	1,242	0	0	0	0	0	0	0
Defense Logistics Agency	8,090	5,400	0	0	0	0	0	2,690	0	0
Defense Threat Reduction Agency	202,820	49,913	144,653	1,811	782	299	1,765	0	0	3,597
Special Operations Command	17,866	5,560	10,460	0	1,846	0	0	0	0	0
Washington Headquarters Svcs	109,743	61,172	7,246	0	20,029	21,206	0	70	0	20
Department of Education	146,577	7,632	6,249	0	100,916	0	31,234	0	546	0
Department of Energy	1,787,991	256,393	164,266	481,207	88,096	695,712	24,121	78,196	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-38. Federal obligations for applied research, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	5,082,114	1,269,860	303,765	46,633	2,622,795	11,221	761,775	8,162	41,385	16,518
Administration on Aging	2,381	185	75	0	1,071	0	1,050	0	0	0
Admin for Children & Families	24,893	1,708	2,453	0	9,969	0	9,101	0	1,622	40
Agency for Healthcare Research and Quality[2]	171,337	45,844	43,309	0	50,621	0	31,563	0	0	0
Centers for Disease Control & Prevention	433,307	294,259	1,355	0	95,537	0	36,693	0	5,463	0
Food & Drug Administration	130,802	108,321	2,593	0	14,590	0	4,469	0	626	203
Health Care Financing Admin	49,671	38	29,929	0	5,044	0	12,371	0	1,999	290
Health Resources & Services Admin	11,616	1,597	0	0	8,019	0	2,000	0	0	0
National Institutes of Health	4,244,159	816,408	223,489	46,633	2,433,388	11,221	658,198	8,162	30,675	15,985
Office of the Secretary, total	13,948	1,500	562	0	4,556	0	6,330	0	1,000	0
Office of the Asst Secretary, Planning & Evaluation	13,948	1,500	562	0	4,556	0	6,330	0	1,000	0
Dept of Housing & Urban Development	19,067	11,288	2,847	0	618	0	4,314	0	0	0
Department of the Interior, total	550,910	486,784	12,495	0	42,248	0	1,554	0	5,896	1,933
Bureau of Reclamation	7,702	6,100	0	0	785	0	237	0	580	0
Geological Survey	491,522	461,357	2,197	0	22,764	0	0	0	5,204	0
Minerals Management Service	28,752	7,023	8,997	0	9,872	0	818	0	112	1,930
National Park Service	22,934	12,304	1,301	0	8,827	0	499	0	0	3
Department of Justice, total	36,249	4,650	5,018	5,400	11,287	0	4,382	400	5,112	0
Bureau of Prisons	7,449	2,500	0	0	0	0	0	0	4,949	0
Office of Justice Programs	28,800	2,150	5,018	5,400	11,287	0	4,382	400	163	0
Department of Labor, total	16,626	10,862	2,835	0	1,319	0	1,610	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	8,816	7,305	0	0	1,050	0	461	0	0	0
Occupational Safety & Hlth Admin	3,757	1,433	2,324	0	0	0	0	0	0	0
Office of the Secretary	156	20	25	0	111	0	0	0	0	0
Pension Benefit Guaranty Corp	57	57	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	2,540	747	486	0	158	0	1,149	0	0	0
Department of State[3]	1,473	490	968	0	0	15	0	0	0	0
Department of Transportation, total	415,979	129,695	140,329	850	36,582	601	7,137	5,140	94,986	659
Coast Guard	5,069	3,724	945	400	0	0	0	0	0	0
Federal Aviation Administration	142,322	61,666	60,165	0	15,351	0	0	5,140	0	0
Federal Highway Administration	187,155	18,127	56,442	450	12,343	500	4,302	0	94,986	5
Federal Railroad Administration	20,304	10,753	8,461	0	836	0	0	0	0	254
Federal Transit Administration	4,800	600	0	0	2,200	0	2,000	0	0	0
National Highway Traffic Safety Administration	50,350	30,824	12,914	0	5,852	0	360	0	0	400
Research & Special Programs Admin	5,979	4,001	1,402	0	0	101	475	0	0	0
Department of the Treasury, total	50,705	38,639	12,066	0	0	0	0	0	0	0
Bureau of Engraving & Printing	1,991	1,991	0	0	0	0	0	0	0	0
Internal Revenue Service	48,039	36,146	11,893	0	0	0	0	0	0	0
Office of Thrift Supervision	144	144	0	0	0	0	0	0	0	0
United States Secret Service	531	358	173	0	0	0	0	0	0	0
Department of Veterans Affairs	183,846	183,846	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-38. Federal obligations for applied research, by agency and performer: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies:										
Appalachian Regional Commission	831	11	360	0	410	0	50	0	0	0
Environmental Protection Agency	399,994	194,790	90,112	0	76,759	0	32,025	0	5,564	744
Federal Communications Commission	4,487	4,487	0	0	0	0	0	0	0	0
Federal Trade Commission	1,254	1,254	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	163,713	18,008	9,823	0	11,460	0	104,776	0	0	19,646
Agcy for Internat'l Development[4]	163,713	18,008	9,823	0	11,460	0	104,776	0	0	19,646
Library of Congress	544	544	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,317,028	578,728	1,243,935	529	187,243	204,299	94,021	3,569	2,417	2,287
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	146,528	267	31,512	15	109,458	5	4,912	4	269	86
Nuclear Regulatory Commission	49,000	14,664	3,361	14,623	4,536	4,351	374	5,061	0	2,030
Social Security Administration	53,282	2,380	36,562	0	4,998	0	3,870	0	5,472	0
United States Information Agency	117	117	0	0	0	0	0	0	0	0
US International Trade Commission	9,738	9,738	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-39. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	17,347,786	5,720,971	3,696,091	541,937	4,655,342	1,052,465	1,307,069	112,558	201,188	60,165
Departments:										
Department of Agriculture, total	815,949	460,957	11,195	0	329,349	0	10,371	0	2,641	1,436
Agricultural Marketing Service	4,254	4,254	0	0	0	0	0	0	0	0
Agricultural Research Service	333,566	311,009	0	0	20,195	0	1,139	0	0	1,223
Cooperative State Research, Education, & Extension Service	322,408	22,334	7,525	0	287,006	0	4,683	0	860	0
Economic Research Service	58,827	46,318	3,500	0	7,009	0	2,000	0	0	0
Foreign Agricultural Service	557	202	0	0	355	0	0	0	0	0
Forest Service	90,450	73,068	170	0	14,179	0	1,039	0	1,781	213
Nat'l Agricultural Statistics Svc	2,587	2,272	0	0	305	0	10	0	0	0
Rural Business-Cooperative Svc	3,300	1,500	0	0	300	0	1,500	0	0	0
Department of Commerce, total	847,681	661,902	87,351	100	96,276	12	1,425	2	438	175
Bureau of the Census	2,519	2,519	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	300	0	0	0	200	0	0	0
Nat'l Inst of Standards & Tech	276,092	180,696	85,296	100	8,717	12	1,094	2	0	175
Nat'l Oceanic & Atmospheric Admin	564,715	474,832	1,755	0	87,559	0	131	0	438	0
National Telecommunications & Information Administration	3,805	3,805	0	0	0	0	0	0	0	0
Department of Defense, total	3,393,818	1,245,294	1,466,671	23,266	475,175	72,747	79,620	13,365	6,650	11,030
Department of the Air Force	561,427	253,742	259,173	12,783	16,900	30	17,593	761	0	445
Department of the Army	828,093	488,976	241,360	9	62,817	428	23,305	1,768	6,650	2,780
Department of the Navy	631,720	271,996	259,506	111	79,852	11,719	5,142	730	0	2,664
Defense Agencies, total	1,372,578	230,580	706,632	10,363	315,606	60,570	33,580	10,106	0	5,141
Ballistic Missile Defense Org	127,459	21,218	98,177	0	5,919	1,851	294	0	0	0
Defense Adv Rsch Projects Agcy	887,955	72,534	451,844	8,032	268,814	41,319	31,926	9,108	0	4,378
Defense Info Systems Agcy	2,379	994	1,385	0	0	0	0	0	0	0
Defense Logistics Agency	8,080	7,265	0	0	0	0	0	815	0	0
Defense Threat Reduction Agency	193,773	57,450	131,145	2,331	541	0	1,360	183	0	763
Special Operations Command	20,741	5,969	13,462	0	1,310	0	0	0	0	0
Washington Headquarters Svcs	132,191	65,150	10,619	0	39,022	17,400	0	0	0	0
Department of Education	156,340	8,235	6,620	0	107,405	0	33,469	0	611	0
Department of Energy	1,888,721	362,283	164,418	443,478	101,105	716,481	23,541	77,415	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-39. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	5,786,161	1,413,855	349,120	53,676	3,007,030	13,081	870,269	9,229	50,912	18,989
Administration on Aging	5,000	185	65	0	900	0	1,050	0	2,800	0
Admin for Children & Families	30,487	1,168	2,928	0	12,736	0	11,360	0	2,255	40
Agency for Healthcare Research and Quality [2]	186,871	50,455	46,718	0	56,061	0	33,637	0	0	0
Centers for Disease Control & Prevention	477,115	337,525	1,037	0	95,537	0	36,693	0	6,323	0
Food & Drug Administration	140,161	116,361	3,000	0	15,000	0	5,000	0	600	200
Health Care Financing Admin	61,800	35	37,463	0	6,141	0	15,354	0	2,457	350
Health Resources & Services Admin	11,898	1,578	0	0	8,260	0	2,060	0	0	0
National Institutes of Health	4,856,129	904,711	257,241	53,676	2,806,884	13,081	757,600	9,229	35,308	18,399
Office of the Secretary, total	16,700	1,837	668	0	5,511	0	7,515	0	1,169	0
Office of the Asst Secretary, Planning & Evaluation	16,700	1,837	668	0	5,511	0	7,515	0	1,169	0
Dept of Housing & Urban Development	20,720	12,266	3,108	0	663	0	4,683	0	0	0
Department of the Interior, total	488,077	425,313	13,294	0	41,809	0	1,316	0	4,516	1,829
Bureau of Reclamation	6,407	5,274	0	0	783	0	150	0	200	0
Geological Survey	426,615	400,070	1,706	0	20,573	0	0	0	4,266	0
Minerals Management Service	28,903	7,250	10,287	0	8,894	0	593	0	50	1,829
National Park Service	26,152	12,719	1,301	0	11,559	0	573	0	0	0
Department of Justice, total	25,307	2,505	4,486	5,400	6,886	0	5,230	400	400	0
Bureau of Prisons	2,900	2,500	0	0	0	0	0	0	400	0
Office of Justice Programs	22,407	5	4,486	5,400	6,886	0	5,230	400	0	0
Department of Labor, total	19,204	11,391	4,176	0	1,481	0	2,156	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	9,260	7,686	0	0	1,111	0	463	0	0	0
Occupational Safety & Hlth Admin	4,375	1,502	2,873	0	0	0	0	0	0	0
Office of the Secretary	800	60	600	0	140	0	0	0	0	0
Pension Benefit Guaranty Corp	55	55	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,414	788	703	0	230	0	1,693	0	0	0
Department of State [3]	1,500	500	985	0	0	15	0	0	0	0
Department of Transportation, total	448,529	131,688	137,970	2,972	44,792	0	7,396	4,774	118,162	775
Coast Guard	5,269	3,658	1,311	300	0	0	0	0	0	0
Federal Aviation Administration	156,495	67,219	69,502	0	15,000	0	0	4,774	0	0
Federal Highway Administration	200,437	13,683	40,738	2,672	20,742	0	4,440	0	118,162	0
Federal Railroad Administration	26,655	11,404	13,194	0	1,782	0	0	0	0	275
Federal Transit Administration	3,700	500	0	0	1,200	0	2,000	0	0	0
National Highway Traffic Safety Administration	50,569	31,858	11,637	0	6,068	0	506	0	0	500
Research & Special Programs Admin	5,404	3,366	1,588	0	0	0	450	0	0	0
Department of the Treasury, total	49,833	41,343	8,490	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,554	2,554	0	0	0	0	0	0	0	0
Internal Revenue Service	46,159	37,859	8,300	0	0	0	0	0	0	0
Office of Thrift Supervision	153	153	0	0	0	0	0	0	0	0
United States Secret Service	967	777	190	0	0	0	0	0	0	0
Department of Veterans Affairs	198,820	198,820	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-39. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Other agencies:										
Appalachian Regional Commission	625	10	280	0	330	0	5	0	0	0
Environmental Protection Agency	387,187	91,376	129,708	0	110,735	0	46,075	0	8,131	1,162
Federal Communications Commission	3,936	3,936	0	0	0	0	0	0	0	0
Federal Trade Commission	1,200	1,200	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	173,248	19,057	10,395	0	12,127	0	110,879	0	0	20,790
Agcy for Internat'l Development [4]	173,248	19,057	10,395	0	12,127	0	110,879	0	0	20,790
Library of Congress	544	544	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,372,753	592,653	1,241,462	535	187,243	245,290	96,782	3,849	2,426	2,513
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	163,984	298	35,266	17	122,499	6	5,497	4	301	96
Nuclear Regulatory Commission	53,000	22,661	3,407	12,493	4,261	4,833	455	3,520	0	1,370
Social Security Administration	40,300	2,535	17,689	0	6,176	0	7,900	0	6,000	0
United States Information Agency	89	89	0	0	0	0	0	0	0	0
US International Trade Commission	10,140	10,140	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2001

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	18,413,719	6,142,318	3,925,109	586,193	4,789,769	1,201,223	1,360,392	130,128	219,177	59,410
Departments:										
Department of Agriculture, total	809,601	506,422	6,505	0	287,000	0	5,732	0	2,407	1,535
Agricultural Marketing Service	4,554	4,554	0	0	0	0	0	0	0	0
Agricultural Research Service	358,404	343,324	0	0	12,619	0	1,139	0	0	1,322
Cooperative State Research, Education, & Extension Service	284,997	22,450	6,335	0	254,042	0	1,544	0	626	0
Economic Research Service	49,882	46,382	0	0	3,500	0	0	0	0	0
Foreign Agricultural Service	557	202	0	0	355	0	0	0	0	0
Forest Service	103,050	85,668	170	0	14,179	0	1,039	0	1,781	213
Nat'l Agricultural Statistics Svc	2,587	2,272	0	0	305	0	10	0	0	0
Rural Business-Cooperative Svc	5,570	1,570	0	0	2,000	0	2,000	0	0	0
Department of Commerce, total	877,265	681,142	94,678	100	97,140	12	3,532	2	484	175
Bureau of the Census	71	71	0	0	0	0	0	0	0	0
Economic Development Admin	550	50	100	0	200	0	200	0	0	0
Nat'l Inst of Standards & Tech	304,922	194,592	93,076	100	13,790	12	3,175	2	0	175
Nat'l Oceanic & Atmospheric Admin	562,865	477,572	1,502	0	83,150	0	157	0	484	0
National Telecommunications & Information Administration	8,857	8,857	0	0	0	0	0	0	0	0
Department of Defense, total	3,196,847	1,103,221	1,446,384	22,060	459,349	68,887	67,823	13,256	6,195	9,672
Department of the Air Force	590,910	241,762	309,536	8,234	16,610	31	13,584	731	0	422
Department of the Army	639,015	415,830	174,947	8	26,865	134	12,148	1,434	6,195	1,454
Department of the Navy	532,826	231,064	218,000	112	72,871	1,956	5,336	876	0	2,611
Defense Agencies, total	1,434,096	214,565	743,901	13,706	343,003	66,766	36,755	10,215	0	5,185
Ballistic Missile Defense Org	49,029	11,400	30,012	2,284	3,612	1,591	130	0	0	0
Defense Adv Rsch Projects Agcy	992,713	81,091	505,149	8,980	300,528	46,194	35,693	10,183	0	4,895
Defense Info Systems Agcy	293	123	170	0	0	0	0	0	0	0
Defense Logistics Agency	8,776	8,776	0	0	0	0	0	0	0	0
Defense Threat Reduction Agency	228,470	41,018	183,193	2,442	563	0	932	32	0	290
Special Operations Command	21,130	5,533	14,266	0	1,331	0	0	0	0	0
Washington Headquarters Svcs	133,685	66,624	11,111	0	36,969	18,981	0	0	0	0
Department of Education	185,103	12,392	9,062	0	117,133	0	37,866	0	8,650	0
Department of Energy	2,139,984	462,619	152,506	486,418	101,332	822,403	20,876	93,830	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	6,150,170	1,525,361	373,727	57,030	3,171,258	13,899	926,041	9,805	52,858	20,191
Administration on Aging	5,000	185	65	0	900	0	1,050	0	2,800	0
Admin for Children & Families	31,860	1,167	3,065	0	13,333	0	11,893	0	2,360	42
Agency for Healthcare Research and Quality[2]	235,000	63,450	58,750	0	70,500	0	42,300	0	0	0
Centers for Disease Control & Prevention	517,978	378,602	1,037	0	95,537	0	36,693	0	6,109	0
Food & Drug Administration	160,876	133,626	3,500	0	17,000	0	5,800	0	700	250
Health Care Financing Admin	55,000	35	33,315	0	5,461	0	13,654	0	2,185	350
Health Resources & Services Admin	11,911	1,591	0	0	8,260	0	2,060	0	0	0
National Institutes of Health	5,115,545	944,835	273,315	57,030	2,954,657	13,899	804,941	9,805	37,514	19,549
Office of the Secretary, total	17,000	1,870	680	0	5,610	0	7,650	0	1,190	0
Office of the Asst Secretary, Planning & Evaluation	17,000	1,870	680	0	5,610	0	7,650	0	1,190	0
Dept of Housing & Urban Development	22,571	13,362	3,386	0	722	0	5,101	0	0	0
Department of the Interior, total	526,634	462,325	13,819	0	43,189	0	837	0	4,938	1,526
Bureau of Reclamation	6,649	5,478	0	0	821	0	150	0	200	0
Geological Survey	463,755	435,002	1,855	0	22,260	0	0	0	4,638	0
Minerals Management Service	28,728	7,530	10,663	0	8,749	0	160	0	100	1,526
National Park Service	27,502	14,315	1,301	0	11,359	0	527	0	0	0
Department of Justice, total	16,945	2,505	2,790	3,600	625	2,600	4,325	0	500	0
Bureau of Prisons	3,000	2,500	0	0	0	0	0	0	500	0
Office of Justice Programs	13,945	5	2,790	3,600	625	2,600	4,325	0	0	0
Department of Labor, total	21,834	13,601	4,250	0	1,672	0	2,311	0	0	0
Bureau of Labor Statistics	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin	11,727	9,734	0	0	1,407	0	586	0	0	0
Occupational Safety & Hlth Admin	4,990	1,558	3,432	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	57	57	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin	3,760	952	818	0	265	0	1,725	0	0	0
Department of State[3]	1,500	500	985	0	0	15	0	0	0	0
Department of Transportation, total	562,577	172,517	199,783	1,100	48,020	0	8,660	5,000	126,347	1,150
Coast Guard	5,088	3,528	1,260	300	0	0	0	0	0	0
Federal Aviation Administration	184,366	68,624	95,742	0	15,000	0	0	5,000	0	0
Federal Highway Administration	237,551	23,002	65,272	800	17,320	0	4,810	0	126,347	0
Federal Railroad Administration	24,669	11,865	11,554	0	1,000	0	0	0	0	250
Federal Transit Administration	3,824	524	100	0	1,200	0	2,000	0	0	0
National Highway Traffic Safety Administration	95,258	60,012	22,396	0	11,000	0	950	0	0	900
Research & Special Programs Admin	11,821	4,962	3,459	0	2,500	0	900	0	0	0
Department of the Treasury, total	59,819	50,479	9,340	0	0	0	0	0	0	0
Bureau of Engraving & Printing	2,554	2,554	0	0	0	0	0	0	0	0
Internal Revenue Service	56,007	46,877	9,130	0	0	0	0	0	0	0
Office of Thrift Supervision	163	163	0	0	0	0	0	0	0	0
United States Secret Service	1,095	885	210	0	0	0	0	0	0	0
Department of Veterans Affairs	198,979	198,979	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-40. Preliminary Federal obligations for applied research, by agency and performer: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies										
Appalachian Regional Commission	750	10	300	0	390	0	50	0	0	0
Environmental Protection Agency	381,591	90,055	127,833	0	109,136	0	45,409	0	8,013	1,145
Federal Communications Commission	3,525	3,525	0	0	0	0	0	0	0	0
Federal Trade Commission	1,414	1,414	0	0	0	0	0	0	0	0
Internat'l Development Cooperation Agency, total	165,776	19,893	9,947	0	11,604	0	104,439	0	0	19,893
Agcy for Internat'l Development [4]	165,776	19,893	9,947	0	11,604	0	104,439	0	0	19,893
Library of Congress	551	551	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,802,656	804,861	1,402,048	381	187,243	286,297	114,318	2,367	2,431	2,710
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	192,907	351	41,486	20	144,104	7	6,467	5	354	113
Nuclear Regulatory Commission	53,000	14,913	4,100	15,484	3,732	7,103	505	5,863	0	1,300
Social Security Administration	41,600	1,200	22,180	0	6,120	0	6,100	0	6,000	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-41. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	16,083,861	17,347,786	18,413,719
Life sciences, total	6,225,338	7,048,089	7,284,581
Biological (excluding environmental)	2,240,738	NA	NA
Environmental biology	440,393	NA	NA
Agricultural	424,934	NA	NA
Medical	2,844,718	NA	NA
Life sciences, n.e.c.	274,555	NA	NA
Psychology, total	285,320	311,194	326,221
Biological aspects	5,800	NA	NA
Social aspects	56,715	NA	NA
Psychological sciences, n.e.c.	222,805	NA	NA
Physical sciences, total	976,358	965,453	1,029,143
Astronomy	39,447	NA	NA
Chemistry	260,322	NA	NA
Physics	528,093	NA	NA
Physical sciences, n.e.c.	148,496	NA	NA
Environmental sciences, total	1,479,532	1,471,795	1,520,976
Atmospheric	505,453	NA	NA
Geological	248,097	NA	NA
Oceanography	272,713	NA	NA
Environmental sciences, n.e.c.	453,269	NA	NA
Mathematics & computer sciences, total	1,245,700	1,417,721	1,597,165
Mathematics	91,277	NA	NA
Computer sciences	1,077,775	NA	NA
Mathematics & computer sciences, n.e.c.	76,648	NA	NA
Engineering, total	4,623,729	4,831,406	5,218,348
Aeronautical	1,278,020	NA	NA
Astronautical	554,420	NA	NA
Chemical	147,992	NA	NA
Civil	259,664	NA	NA
Electrical	513,079	NA	NA
Mechanical	140,826	NA	NA
Metallurgy & materials	306,858	NA	NA
Engineering, n.e.c.	1,422,870	NA	NA
Social sciences, total	608,326	628,414	696,047
Anthropology	4,901	NA	NA
Economics	171,226	NA	NA
Political science	15,395	NA	NA
Sociology	74,675	NA	NA
Social sciences, n.e.c.	342,129	NA	NA
Other sciences, n.e.c.	639,558	673,714	741,238

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY:
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	16,083,861	6,225,338	285,320	976,358	1,479,532	1,245,700	4,623,729	608,326	639,558
Departments:									
Department of Agriculture, total	744,764	547,333	229	45,801	5,654	9,094	37,109	97,545	1,999
Agricultural Marketing Service	4,015	4,015	0	0	0	0	0	0	0
Agricultural Research Service	316,382	276,781	0	30,098	1,906	327	7,270	0	0
Cooperative State Research, Education, & Extension Service	272,899	213,232	0	12,407	573	0	14,175	32,512	0
Economic Research Service	56,239	0	0	0	0	0	0	56,239	0
Food Safety Inspection Service	125	125	0	0	0	0	0	0	0
Foreign Agricultural Service	557	557	0	0	0	0	0	0	0
Forest Service	88,650	51,323	229	3,296	3,175	6,370	15,664	6,594	1,999
Nat'l Agricultural Statistics Svc	2,397	0	0	0	0	2,397	0	0	0
Rural Business-Cooperative Svc	3,500	1,300	0	0	0	0	0	2,200	0
Department of Commerce, total	798,872	140,678	1,265	84,509	291,707	75,236	145,920	19,289	40,268
Bureau of the Census	3,835	0	1,265	0	0	2,570	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	266,948	19,236	0	59,448	284	53,241	134,739	0	0
Nat'l Oceanic & Atmospheric Admin	523,730	121,442	0	25,061	291,423	19,425	7,372	18,739	40,268
National Telecommunications & Information Administration	3,809	0	0	0	0	0	3,809	0	0
Department of Defense, total	3,102,052	327,733	40,114	262,109	180,579	521,925	1,528,382	0	241,210
Department of the Air Force	573,368	25,040	24,200	101,173	9,082	35,510	374,909	0	3,454
Department of the Army	667,278	98,080	7,824	32,545	78,532	50,617	292,945	0	106,735
Department of the Navy	517,482	35,384	0	5,030	71,437	19,453	386,178	0	0
Defense Agencies, total	1,343,924	169,229	8,090	123,361	21,528	416,345	474,350	0	131,021
Ballistic Missile Defense Org	104,487	0	0	32,778	0	25,214	31,311	0	15,184
Defense Adv Rsch Projects Agcy	898,967	100,321	0	13,731	6,944	379,713	365,112	0	33,146
Defense Info Systems Agcy	1,951	0	0	0	0	0	0	0	1,951
Defense Logistics Agency	8,090	0	8,090	0	0	0	0	0	0
Defense Threat Reduction Agency	202,820	20	0	64,277	14,584	65	43,384	0	80,490
Special Operations Command	17,866	715	0	0	0	0	16,901	0	250
Washington Headquarters Svcs	109,743	68,173	0	12,575	0	11,353	17,642	0	0
Department of Education	146,577	19,639	3,150	0	0	0	8,819	114,969	0
Department of Energy	1,787,991	62,306	0	334,846	80,219	488,686	802,832	0	19,102
Dept of Health & Human Svcs, total	5,082,114	4,382,009	158,631	67,222	12,977	52,576	61,430	104,718	242,551
Administration on Aging	2,381	0	0	0	0	0	0	2,381	0
Admin for Children & Families	24,893	0	0	0	0	0	0	24,893	0
Agency for Healthcare Research and Quality[1]	171,337	71,772	694	0	0	14,377	0	24,149	60,345
Centers for Disease Control & Prevention	433,307	433,307	0	0	0	0	0	0	0
Food & Drug Administration	130,802	130,802	0	0	0	0	0	0	0
Health Care Financing Admin	49,671	49,671	0	0	0	0	0	0	0
Health Resources & Services Admin	11,616	11,616	0	0	0	0	0	0	0
National Institutes of Health	4,244,159	3,684,841	157,937	67,222	12,977	38,199	61,430	39,347	182,206
Office of the Secretary, total	13,948	0	0	0	0	0	0	13,948	0
Office of the Asst Secretary, Planning & Evaluation	13,948	0	0	0	0	0	0	13,948	0
Dept of Housing & Urban Development	19,067	0	0	0	395	649	1,214	15,065	1,744

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	550,910	145,103	0	42	369,797	6,813	11,972	17,183	0
Bureau of Reclamation	7,702	0	0	0	2,027	0	5,575	100	0
Geological Survey	491,522	138,732	0	0	344,839	5,144	1,403	1,404	0
Minerals Management Service	28,752	686	0	42	20,055	1,307	4,446	2,216	0
National Park Service	22,934	5,685	0	0	2,876	362	548	13,463	0
Department of Justice, total	36,249	0	500	0	0	500	0	24,949	10,300
Bureau of Prisons	7,449	0	500	0	0	500	0	6,449	0
Office of Justice Programs	28,800	0	0	0	0	0	0	18,500	10,300
Department of Labor, total	16,626	0	0	0	0	131	0	16,495	0
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	8,816	0	0	0	0	0	0	8,816	0
Occupational Safety & Hlth Admin	3,757	0	0	0	0	0	0	3,757	0
Office of the Secretary	156	0	0	0	0	131	0	25	0
Pension Benefit Guaranty Corp	57	0	0	0	0	0	0	57	0
Pension & Welfare Benefits Admin	2,540	0	0	0	0	0	0	2,540	0
Department of State[2]	1,473	0	0	0	0	0	0	1,473	0
Department of Transportation, total	415,979	12,162	25,462	50,582	34,357	11,428	239,663	7,387	34,938
Coast Guard	5,069	0	647	0	551	1,133	2,738	0	0
Federal Aviation Administration	142,322	4,630	23,866	46,292	21,608	0	34,804	0	11,122
Federal Highway Administration	187,155	2,722	949	4,290	11,098	4,062	138,466	1,880	23,688
Federal Railroad Administration	20,304	0	0	0	0	96	20,208	0	0
Federal Transit Administration	4,800	0	0	0	1,000	0	3,800	0	0
National Highway Traffic Safety Administration	50,350	4,810	0	0	0	5,546	34,487	5,507	0
Research & Special Programs Admin	5,979	0	0	0	100	591	5,160	0	128
Department of the Treasury, total	50,705	0	531	1,991	0	0	0	48,183	0
Bureau of Engraving & Printing	1,991	0	0	1,991	0	0	0	0	0
Internal Revenue Service	48,039	0	0	0	0	0	0	48,039	0
Office of Thrift Supervision	144	0	0	0	0	0	0	144	0
United States Secret Service	531	0	531	0	0	0	0	0	0
Department of Veterans Affairs	183,846	129,027	39,031	0	0	0	15,788	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	831	0	0	0	0	0	0	831	0
Environmental Protection Agency	399,994	154,271	0	10,505	119,043	15,633	59,303	2,938	38,301
Federal Communications Commission	4,487	0	0	0	0	134	1,516	2,837	0
Federal Trade Commission	1,254	0	0	0	0	0	0	1,254	0
Internat'l Development Cooperation Agency, total	163,713	102,022	0	0	3,290	0	0	57,978	423
Agcy for Internat'l Development[3]	163,713	102,022	0	0	3,290	0	0	57,978	423
Library of Congress	544	0	0	544	0	0	0	0	0
National Aeronautics & Space Admin	2,317,028	185,939	16,403	102,849	381,309	56,054	1,566,625	0	7,849
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	146,528	17,116	4	15,238	205	6,841	94,039	12,212	873
Nuclear Regulatory Commission	49,000	0	0	0	0	0	49,000	0	0
Social Security Administration	53,282	0	0	0	0	0	0	53,282	0
United States Information Agency	117	0	0	0	0	0	117	0	0
US International Trade Commission	9,738	0	0	0	0	0	0	9,738	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	17,347,786	7,048,089	311,194	965,453	1,471,795	1,417,721	4,831,406	628,414	673,714
Departments:									
Department of Agriculture, total	815,949	603,372	234	49,457	5,789	9,562	43,747	101,748	2,040
Agricultural Marketing Service	4,254	4,254	0	0	0	0	0	0	0
Agricultural Research Service	333,566	291,052	0	32,340	1,957	476	7,741	0	0
Cooperative State Research, Education, & Extension Service	322,408	253,644	0	13,755	592	0	20,025	34,392	0
Economic Research Service	58,827	0	0	0	0	0	0	58,827	0
Foreign Agricultural Service	557	557	0	0	0	0	0	0	0
Forest Service	90,450	52,365	234	3,362	3,240	6,499	15,981	6,729	2,040
Nat'l Agricultural Statistics Svc	2,587	0	0	0	0	2,587	0	0	0
Rural Business-Cooperative Svc	3,300	1,500	0	0	0	0	0	1,800	0
Department of Commerce, total	847,681	152,823	831	86,868	306,995	78,143	155,460	21,437	45,124
Bureau of the Census	2,519	0	831	0	0	1,688	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	276,092	19,895	0	61,484	294	55,065	139,354	0	0
Nat'l Oceanic & Atmospheric Admin	564,715	132,928	0	25,384	306,701	21,390	12,301	20,887	45,124
National Telecommunications & Information Administration	3,805	0	0	0	0	0	3,805	0	0
Department of Defense, total	3,393,818	447,881	39,450	237,741	201,823	545,245	1,695,399	952	225,327
Department of the Air Force	561,427	18,356	19,568	90,417	8,843	36,412	359,868	0	27,963
Department of the Army	828,093	177,617	10,462	39,108	86,512	63,720	343,900	952	105,822
Department of the Navy	631,720	44,889	0	6,381	90,627	22,922	466,901	0	0
Defense Agencies, total	1,372,578	207,019	9,420	101,835	15,841	422,191	524,730	0	91,542
Ballistic Missile Defense Org	127,459	121	0	23,479	0	29,663	68,352	0	5,844
Defense Adv Rsch Projects Agcy	887,955	105,884	0	6,728	1,924	379,936	377,085	0	16,398
Defense Info Systems Agcy	2,379	0	0	0	0	0	0	0	2,379
Defense Logistics Agency	8,080	0	8,080	0	0	0	0	0	0
Defense Threat Reduction Agency	193,773	0	0	67,488	12,577	0	46,948	0	66,760
Special Operations Command	20,741	829	0	0	0	0	19,751	0	161
Washington Headquarters Svcs	132,191	100,185	1,340	4,140	1,340	12,592	12,594	0	0
Department of Education	156,340	21,802	3,700	0	0	0	9,898	120,940	0
Department of Energy	1,888,721	89,674	0	329,672	73,723	626,107	757,909	0	11,636
Dept of Health & Human Svcs, total	5,786,161	4,985,626	182,577	76,915	14,848	58,657	70,288	123,369	273,881
Administration on Aging	5,000	0	0	0	0	0	0	5,000	0
Admin for Children & Families	30,487	0	0	0	0	0	0	30,487	0
Agency for Healthcare Research and Quality [1]	186,871	78,486	1,869	0	0	14,950	0	26,162	65,404
Centers for Disease Control & Prevention	477,115	477,115	0	0	0	0	0	0	0
Food & Drug Administration	140,161	140,161	0	0	0	0	0	0	0
Health Care Financing Admin	61,800	61,800	0	0	0	0	0	0	0
Health Resources & Services Admin	11,898	11,898	0	0	0	0	0	0	0
National Institutes of Health	4,856,129	4,216,166	180,708	76,915	14,848	43,707	70,288	45,020	208,477
Office of the Secretary, total	16,700	0	0	0	0	0	0	16,700	0
Office of the Asst Secretary, Planning & Evaluation	16,700	0	0	0	0	0	0	16,700	0
Dept of Housing & Urban Development	20,720	0	0	0	429	704	1,320	16,371	1,896

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	488,077	123,994	0	0	331,008	5,065	12,170	15,840	0
Bureau of Reclamation	6,407	0	0	0	1,567	0	4,740	100	0
Geological Survey	426,615	116,954	0	0	303,905	3,725	1,015	1,016	0
Minerals Management Service	28,903	227	0	0	21,929	243	4,770	1,734	0
National Park Service	26,152	6,813	0	0	3,607	1,097	1,645	12,990	0
Department of Justice, total	25,307	0	500	0	0	500	0	14,002	10,305
Bureau of Prisons	2,900	0	500	0	0	500	0	1,900	0
Office of Justice Programs	22,407	0	0	0	0	0	0	12,102	10,305
Department of Labor, total	19,204	0	0	0	0	660	0	18,544	0
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	9,260	0	0	0	0	0	0	9,260	0
Occupational Safety & Hlth Admin	4,375	0	0	0	0	0	0	4,375	0
Office of the Secretary	800	0	0	0	0	660	0	140	0
Pension Benefit Guaranty Corp	55	0	0	0	0	0	0	55	0
Pension & Welfare Benefits Admin	3,414	0	0	0	0	0	0	3,414	0
Department of State[2]	1,500	0	0	0	0	0	0	1,500	0
Department of Transportation, total	448,529	11,663	23,990	48,581	35,986	9,704	248,198	8,321	62,086
Coast Guard	5,269	0	809	0	560	1,150	2,750	0	0
Federal Aviation Administration	156,495	4,829	22,398	44,891	23,144	0	44,094	0	17,139
Federal Highway Administration	200,437	1,550	783	3,690	12,182	3,362	153,444	1,525	23,901
Federal Railroad Administration	26,655	0	0	0	0	267	8,796	0	17,592
Federal Transit Administration	3,700	0	0	0	0	0	3,700	0	0
National Highway Traffic Safety Administration	50,569	5,284	0	0	0	4,102	34,387	6,796	0
Research & Special Programs Admin	5,404	0	0	0	100	823	1,027	0	3,454
Department of the Treasury, total	49,833	0	967	2,554	0	0	0	46,312	0
Bureau of Engraving & Printing	2,554	0	0	2,554	0	0	0	0	0
Internal Revenue Service	46,159	0	0	0	0	0	0	46,159	0
Office of Thrift Supervision	153	0	0	0	0	0	0	153	0
United States Secret Service	967	0	967	0	0	0	0	0	0
Department of Veterans Affairs	198,820	139,632	42,142	0	0	0	17,046	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	625	0	0	0	0	0	0	625	0
Environmental Protection Agency	387,187	159,242	0	10,624	106,895	18,238	55,443	4,738	32,007
Federal Communications Commission	3,936	0	0	0	0	78	1,894	1,964	0
Federal Trade Commission	1,200	0	0	0	0	0	0	1,200	0
Internat'l Development Cooperation Agency, total	173,248	102,815	0	0	3,589	0	0	66,444	400
Agcy for Internat'l Development[3]	173,248	102,815	0	0	3,589	0	0	66,444	400
Library of Congress	544	0	0	544	0	0	0	0	0
National Aeronautics & Space Admin	2,372,753	190,411	16,798	105,323	390,480	57,402	1,604,303	0	8,036
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	163,984	19,154	5	17,054	230	7,656	105,242	13,667	976
Nuclear Regulatory Commission	53,000	0	0	0	0	0	53,000	0	0
Social Security Administration	40,300	0	0	0	0	0	0	40,300	0
United States Information Agency	89	0	0	0	0	0	89	0	0
US International Trade Commission	10,140	0	0	0	0	0	0	10,140	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	18,413,719	7,284,581	326,221	1,029,143	1,520,976	1,597,165	5,218,348	696,047	741,238
Departments									
Department of Agriculture, total	809,601	609,308	267	50,053	6,488	10,715	38,257	92,189	2,324
Agricultural Marketing Service	4,554	4,554	0	0	0	0	0	0	0
Agricultural Research Service	358,404	313,903	0	33,582	2,205	724	7,990	0	0
Cooperative State Research, Education, & Extension Service	284,997	228,635	0	12,640	592	0	12,059	31,071	0
Economic Research Service	49,882	0	0	0	0	0	0	49,882	0
Foreign Agricultural Service	557	557	0	0	0	0	0	0	0
Forest Service	103,050	59,659	267	3,831	3,691	7,404	18,208	7,666	2,324
Nat'l Agricultural Statistics Svc	2,587	0	0	0	0	2,587	0	0	0
Rural Business-Cooperative Svc	5,570	2,000	0	0	0	0	0	3,570	0
Department of Commerce, total	877,265	142,095	23	95,612	322,042	81,235	174,943	19,889	41,426
Bureau of the Census	71	0	23	0	0	48	0	0	0
Economic Development Admin	550	0	0	0	0	0	0	550	0
Nat'l Inst of Standards & Tech	304,922	21,972	0	67,904	325	60,815	153,906	0	0
Nat'l Oceanic & Atmospheric Admin	562,865	120,123	0	27,708	321,717	20,372	12,180	19,339	41,426
National Telecommunications & Information Administration	8,857	0	0	0	0	0	8,857	0	0
Department of Defense, total	3,196,847	378,191	38,824	218,246	127,711	588,193	1,553,597	31,650	260,435
Department of the Air Force	590,910	25,230	18,117	115,449	8,820	43,693	347,706	31,650	245
Department of the Army	639,015	71,353	10,485	39,517	35,481	53,006	334,224	0	94,949
Department of the Navy	532,826	37,863	0	5,383	76,421	19,334	393,825	0	0
Defense Agencies, total	1,434,096	243,745	10,222	57,897	6,989	472,160	477,842	0	165,241
Ballistic Missile Defense Org	49,029	0	0	16,886	0	7,744	19,316	0	5,083
Defense Adv Rsch Projects Agcy	992,713	143,912	0	0	0	450,658	349,798	0	48,345
Defense Info Systems Agcy	293	0	0	0	0	0	0	0	293
Defense Logistics Agency	8,776	0	8,776	0	0	0	0	0	0
Defense Threat Reduction Agency	228,470	0	0	36,700	5,543	0	74,884	0	111,343
Special Operations Command	21,130	870	0	0	0	0	20,083	0	177
Washington Headquarters Svcs	133,685	98,963	1,446	4,311	1,446	13,758	13,761	0	0
Department of Education	185,103	21,802	3,700	0	0	0	13,903	145,698	0
Department of Energy	2,139,984	52,658	0	376,120	78,942	727,475	889,833	0	14,956
Dept of Health & Human Svcs, total	6,150,170	5,285,862	192,712	81,023	15,641	64,842	74,042	134,184	301,864
Administration on Aging	5,000	0	0	0	0	0	0	5,000	0
Admin for Children & Families	31,860	0	0	0	0	0	0	31,860	0
Agency for Healthcare Research and Quality[1]	235,000	98,700	2,350	0	0	18,800	0	32,900	82,250
Centers for Disease Control & Prevention	517,978	517,978	0	0	0	0	0	0	0
Food & Drug Administration	160,876	160,876	0	0	0	0	0	0	0
Health Care Financing Admin	55,000	55,000	0	0	0	0	0	0	0
Health Resources & Services Admin	11,911	11,911	0	0	0	0	0	0	0
National Institutes of Health	5,115,545	4,441,397	190,362	81,023	15,641	46,042	74,042	47,424	219,614
Office of the Secretary, total	17,000	0	0	0	0	0	0	17,000	0
Office of the Asst Secretary, Planning & Evaluation	17,000	0	0	0	0	0	0	17,000	0
Dept of Housing & Urban Development	22,571	0	0	0	467	767	1,438	17,834	2,065

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	526,634	144,597	0	0	344,047	7,936	12,719	17,335	0
Bureau of Reclamation	6,649	0	0	0	1,595	0	4,854	200	0
Geological Survey	463,755	136,186	0	0	317,765	6,343	1,731	1,730	0
Minerals Management Service	28,728	248	0	0	21,080	496	4,489	2,415	0
National Park Service	27,502	8,163	0	0	3,607	1,097	1,645	12,990	0
Department of Justice, total	16,945	0	500	0	0	500	0	7,540	8,405
Bureau of Prisons	3,000	0	500	0	0	500	0	2,000	0
Office of Justice Programs	13,945	0	0	0	0	0	0	5,540	8,405
Department of Labor, total	21,834	0	0	0	0	0	0	21,834	0
Bureau of Labor Statistics	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin	11,727	0	0	0	0	0	0	11,727	0
Occupational Safety & Hlth Admin	4,990	0	0	0	0	0	0	4,990	0
Pension Benefit Guaranty Corp	57	0	0	0	0	0	0	57	0
Pension & Welfare Benefits Admin	3,760	0	0	0	0	0	0	3,760	0
Department of State[2]	1,500	0	0	0	0	0	0	1,500	0
Department of Transportation, total	562,577	17,137	27,078	50,071	50,108	18,981	319,503	11,635	68,064
Coast Guard	5,088	0	800	0	520	1,100	2,668	0	0
Federal Aviation Administration	184,366	5,049	25,195	44,229	31,898	0	52,714	0	25,281
Federal Highway Administration	237,551	3,515	1,083	5,842	17,540	4,650	185,835	2,109	16,977
Federal Railroad Administration	24,669	0	0	0	0	247	8,140	0	16,282
Federal Transit Administration	3,824	0	0	0	0	0	3,824	0	0
National Highway Traffic Safety Administration	95,258	8,573	0	0	0	12,384	64,775	9,526	0
Research & Special Programs Admin	11,821	0	0	0	150	600	1,547	0	9,524
Department of the Treasury, total	59,819	0	1,095	2,554	0	0	0	56,170	0
Bureau of Engraving & Printing	2,554	0	0	2,554	0	0	0	0	0
Internal Revenue Service	56,007	0	0	0	0	0	0	56,007	0
Office of Thrift Supervision	163	0	0	0	0	0	0	163	0
United States Secret Service	1,095	0	1,095	0	0	0	0	0	0
Department of Veterans Affairs	198,979	139,744	42,175	0	0	0	17,060	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Appalachian Regional Commission	750	0	0	0	0	0	0	750	0
Environmental Protection Agency	381,591	158,574	0	10,326	108,974	19,669	48,887	4,525	30,636
Federal Communications Commission	3,525	0	0	0	0	43	2,386	1,096	0
Federal Trade Commission	1,414	0	0	0	0	0	0	1,414	0
Internat'l Development Cooperation Agency, total	165,776	87,169	0	0	5,058	0	0	73,126	423
Agcy for Internat'l Development[3]	165,776	87,169	0	0	5,058	0	0	73,126	423
Library of Congress	551	0	0	551	0	0	0	0	0
National Aeronautics & Space Admin	2,802,656	224,911	19,841	124,405	461,228	67,803	1,894,975	0	9,493
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	192,907	22,533	6	20,062	270	9,006	123,805	16,078	1,147
Nuclear Regulatory Commission	53,000	0	0	0	0	0	53,000	0	0
Social Security Administration	41,600	0	0	0	0	0	0	41,600	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	285,320	5,800	56,715	222,805	6,225,338	2,240,738	440,393	424,934	2,844,718	274,555
Departments:										
Department of Agriculture, total	229	0	229	0	547,333	58,931	142,135	337,107	9,160	0
Agricultural Marketing Service	0	0	0	0	4,015	0	0	4,015	0	0
Agricultural Research Service	0	0	0	0	276,781	8,918	43,821	220,876	3,166	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	213,232	40,080	59,483	109,513	4,156	0
Food Safety Inspection Service	0	0	0	0	125	125	0	0	0	0
Foreign Agricultural Service	0	0	0	0	557	0	0	557	0	0
Forest Service	229	0	229	0	51,323	9,808	38,831	846	1,838	0
Rural Business-Cooperative Svc	0	0	0	0	1,300	0	0	1,300	0	0
Department of Commerce, total	1,265	0	0	1,265	140,678	33,221	72,002	23,609	8,201	3,645
Bureau of the Census	1,265	0	0	1,265	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	0	0	0	0	19,236	12,928	0	900	2,698	2,710
Nat'l Oceanic & Atmospheric Admin	0	0	0	0	121,442	20,293	72,002	22,709	5,503	935
Department of Defense, total	40,114	964	10,501	28,649	327,733	117,915	9,395	0	163,325	37,098
Department of the Air Force	24,200	964	2,411	20,825	25,040	5,060	9,395	0	0	10,585
Department of the Army	7,824	0	0	7,824	98,080	2,932	0	0	95,148	0
Department of the Navy	0	0	0	0	35,384	3,686	0	0	5,900	25,798
Defense Agencies, total	8,090	0	8,090	0	169,229	106,237	0	0	62,277	715
Defense Adv Rsch Projects Agcy	0	0	0	0	100,321	87,734	0	0	12,587	0
Defense Logistics Agency	8,090	0	8,090	0	0	0	0	0	0	0
Defense Threat Reduction Agency	0	0	0	0	20	0	0	0	20	0
Special Operations Command	0	0	0	0	715	0	0	0	0	715
Washington Headquarters Svcs	0	0	0	0	68,173	18,503	0	0	49,670	0
Department of Education	3,150	0	2,650	500	19,639	0	0	0	14,365	5,274
Department of Energy	0	0	0	0	62,306	2,300	7,000	0	53,006	0
Dept of Health & Human Svcs, total	158,631	4,836	2,720	151,075	4,382,009	1,853,925	32	0	2,352,516	175,536
Agency for Healthcare Research and Quality[1]	694	0	337	357	71,772	0	0	0	69,717	2,055
Centers for Disease Control & Prevention	0	0	0	0	433,307	0	0	0	433,307	0
Food & Drug Administration	0	0	0	0	130,802	130,802	0	0	0	0
Health Care Financing Admin	0	0	0	0	49,671	0	0	0	0	49,671
Health Resources & Services Admin	0	0	0	0	11,616	0	0	0	11,616	0
National Institutes of Health	157,937	4,836	2,383	150,718	3,684,841	1,723,123	32	0	1,837,876	123,810
Department of the Interior, total	0	0	0	0	145,103	75,131	69,673	299	0	0
Geological Survey	0	0	0	0	138,732	73,094	65,404	234	0	0
Minerals Management Service	0	0	0	0	686	0	686	0	0	0
National Park Service	0	0	0	0	5,685	2,037	3,583	65	0	0
Department of Justice, total	500	0	300	200	0	0	0	0	0	0
Bureau of Prisons	500	0	300	200	0	0	0	0	0	0
Department of Transportation, total	25,462	0	25,462	0	12,162	0	2,050	672	4,630	4,810
Coast Guard	647	0	647	0	0	0	0	0	0	0
Federal Aviation Administration	23,866	0	23,866	0	4,630	0	0	0	4,630	0
Federal Highway Administration	949	0	949	0	2,722	0	2,050	672	0	0
National Highway Traffic Safety Administration	0	0	0	0	4,810	0	0	0	0	4,810
Department of the Treasury, total	531	0	0	531	0	0	0	0	0	0
United States Secret Service	531	0	0	531	0	0	0	0	0	0
Department of Veterans Affairs	39,031	0	0	39,031	129,027	0	0	0	129,027	0

See explanatory information, if any, and SOURCE at end of table.

Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Other agencies										
Environmental Protection Agency	0	0	0	0	154,271	33,079	120,796	78	156	162
Internat'l Development Cooperation Agency, total	0	0	0	0	102,022	0	0	63,169	0	38,853
Agcy for Internat'l Development[2]	0	0	0	0	102,022	0	0	63,169	0	38,853
National Aeronautics & Space Admin	16,403	0	14,849	1,554	185,939	60,718	5,712	0	110,332	9,177
National Science Foundation	4	0	4	0	17,116	5,518	11,598	0	0	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	976,358	39,447	260,322	528,093	148,496	1,479,532	505,453	248,097	272,713	453,269
Departments										
Department of Agriculture, total	45,801	0	43,431	2,370	0	5,654	4,839	815	0	0
Agricultural Research Service	30,098	0	28,621	1,477	0	1,906	1,840	66	0	0
Cooperative State Research, Education, & Extension Service	12,407	0	12,407	0	0	573	573	0	0	0
Forest Service	3,296	0	2,403	893	0	3,175	2,426	749	0	0
Department of Commerce, total	84,509	0	37,146	47,232	131	291,707	115,966	7,717	106,278	61,746
Nat'l Inst of Standards & Tech	59,448	0	24,049	35,268	131	284	0	284	0	0
Nat'l Oceanic & Atmospheric Admin	25,061	0	13,097	11,964	0	291,423	115,966	7,433	106,278	61,746
Department of Defense, total	262,109	15,000	42,256	158,175	46,678	180,579	36,178	3,639	64,091	76,671
Department of the Air Force	101,173	0	17,483	83,449	241	9,082	4,024	2,133	0	2,925
Department of the Army	32,545	0	8,549	13,607	10,389	78,532	11,919	1,506	0	65,107
Department of the Navy	5,030	0	0	0	5,030	71,437	5,703	0	57,147	8,587
Defense Agencies, total	123,361	15,000	16,224	61,119	31,018	21,528	14,532	0	6,944	52
Ballistic Missile Defense Org	32,778	15,000	3,649	14,129	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	13,731	0	0	13,731	0	6,944	0	0	6,944	0
Defense Threat Reduction Agency	64,277	0	0	33,259	31,018	14,584	14,532	0	0	52
Washington Headquarters Svcs	12,575	0	12,575	0	0	0	0	0	0	0
Department of Energy	334,846	0	52,563	202,403	79,880	80,219	0	0	490	79,729
Dept of Health & Human Svcs, total	67,222	0	59,676	7,546	0	12,977	0	0	0	12,977
National Institutes of Health	67,222	0	59,676	7,546	0	12,977	0	0	0	12,977
Dept of Housing & Urban Development	0	0	0	0	0	395	0	0	0	395
Department of the Interior, total	42	0	0	0	42	369,797	2,054	196,486	18,028	153,229
Bureau of Reclamation	0	0	0	0	0	2,027	0	0	0	2,027
Geological Survey	0	0	0	0	0	344,839	0	195,966	0	148,873
Minerals Management Service	42	0	0	0	42	20,055	823	470	18,028	734
National Park Service	0	0	0	0	0	2,876	1,231	50	0	1,595
Department of Transportation, total	50,582	0	0	47,787	2,795	34,357	26,909	2,940	551	3,957
Coast Guard	0	0	0	0	0	551	0	0	551	0
Federal Aviation Administration	46,292	0	0	46,292	0	21,608	21,608	0	0	0
Federal Highway Administration	4,290	0	0	1,495	2,795	11,098	5,301	2,940	0	2,857
Federal Transit Administration	0	0	0	0	0	1,000	0	0	0	1,000
Research & Special Programs Admin	0	0	0	0	0	100	0	0	0	100
Department of the Treasury, total	1,991	0	139	8	1,844	0	0	0	0	0
Bureau of Engraving & Printing	1,991	0	139	8	1,844	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Other agencies										
Environmental Protection Agency	10,505	0	8,853	0	1,652	119,043	56,481	10,618	12,756	39,188
Internat'l Development Cooperation Agency, total	0	0	0	0	0	3,290	0	0	0	3,290
Agcy for Internat'l Development [1]	0	0	0	0	0	3,290	0	0	0	3,290
Library of Congress	544	0	435	0	109	0	0	0	0	0
National Aeronautics & Space Admin	102,849	24,447	8,212	59,080	11,110	381,309	263,024	25,849	70,414	22,022
National Archives & Records Admin	120	0	70	50	0	0	0	0	0	0
National Science Foundation	15,238	0	7,541	3,442	4,255	205	2	33	105	65

[1] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	4,623,729	1,278,020	554,420	147,992	259,664	513,079	140,826	306,858	1,422,870
Departments:									
Department of Agriculture, total	37,109	0	0	4,845	3,308	209	2,476	0	26,271
Agricultural Research Service	7,270	0	0	3,856	979	170	927	0	1,338
Cooperative State Research, Education, & Extension Service	14,175	0	0	0	0	0	0	0	14,175
Forest Service	15,664	0	0	989	2,329	39	1,549	0	10,758
Department of Commerce, total	145,920	5	0	4,656	14,857	41,416	3,264	33,009	48,713
Nat'l Inst of Standards & Tech	134,739	5	0	4,656	14,857	34,543	3,264	33,009	44,405
Nat'l Oceanic & Atmospheric Admin	7,372	0	0	0	0	3,064	0	0	4,308
National Telecommunications & Information Administration	3,809	0	0	0	0	3,809	0	0	0
Department of Defense, total	1,528,382	285,140	39,254	24,209	40,183	414,573	102,269	193,481	429,273
Department of the Air Force	374,909	178,036	29,559	3,967	11,550	75,285	23,029	42,566	10,917
Department of the Army	292,945	30,562	203	11,398	28,580	112,578	49,414	16,634	43,576
Department of the Navy	386,178	30,614	5,815	0	0	106,865	29,528	36,539	176,817
Defense Agencies, total	474,350	45,928	3,677	8,844	53	119,845	298	97,742	197,963
Ballistic Missile Defense Org	31,311	0	1,284	0	0	2,016	0	2,015	25,996
Defense Adv Rsch Projects Agcy	365,112	45,338	2,004	1,747	53	77,442	0	95,727	142,801
Defense Threat Reduction Agency	43,384	590	389	12	0	29,830	298	0	12,265
Special Operations Command	16,901	0	0	0	0	0	0	0	16,901
Washington Headquarters Svcs	17,642	0	0	7,085	0	10,557	0	0	0
Department of Education	8,819	0	0	0	0	0	0	0	8,819
Department of Energy	802,832	0	0	90,348	45,707	30,837	761	69,609	565,570
Dept of Health & Human Svcs, total	61,430	0	0	0	0	0	0	0	61,430
National Institutes of Health	61,430	0	0	0	0	0	0	0	61,430
Dept of Housing & Urban Development	1,214	0	0	0	0	0	0	0	1,214
Department of the Interior, total	11,972	0	0	4,938	5,545	636	0	633	220
Bureau of Reclamation	5,575	0	0	2,659	1,974	402	0	540	0
Geological Survey	1,403	0	0	0	1,169	234	0	0	0
Minerals Management Service	4,446	0	0	1,731	2,402	0	0	93	220
National Park Service	548	0	0	548	0	0	0	0	0
Department of Transportation, total	239,663	18	0	783	121,057	1,386	21,409	3,503	91,507
Coast Guard	2,738	0	0	0	285	1,285	570	598	0
Federal Aviation Administration	34,804	0	0	0	31,879	0	2,925	0	0
Federal Highway Administration	138,466	18	0	783	87,934	6	0	2,207	47,518
Federal Railroad Administration	20,208	0	0	0	959	95	4,573	449	14,132
Federal Transit Administration	3,800	0	0	0	0	0	0	0	3,800
National Highway Traffic Safety Administration	34,487	0	0	0	0	0	13,341	0	21,146
Research & Special Programs Admin	5,160	0	0	0	0	0	0	249	4,911
Department of Veterans Affairs	15,788	0	0	0	0	0	0	0	15,788

See explanatory information, if any, and SOURCE at end of table.

Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Other agencies:									
Environmental Protection Agency	59,303	0	0	9,475	21,446	294	505	1,032	26,551
Federal Communications Commission	1,516	0	0	0	0	1,356	0	0	160
National Aeronautics & Space Admin	1,566,625	992,857	515,166	429	27	13,727	9,177	3,200	32,042
National Science Foundation	94,039	0	0	8,309	7,534	8,645	965	2,391	66,195
Nuclear Regulatory Commission	49,000	0	0	0	0	0	0	0	49,000
United States Information Agency	117	0	0	0	0	0	0	0	117

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathe-matics	Computer sciences	Mathe-matics and com-puter sciences, n.e.c.	Total	Anthro-pology	Economics	Politi-cal science	Soci-ology	Social sciences, n.e.c.
Total, all agencies	1,245,700	91,277	1,077,775	76.648	608,326	4,901	171,226	15,395	74,675	342,129
Departments:										
Department of Agriculture, total	9,094	9,094	0	0	97,545	148	89,752	0	7,645	0
Agricultural Research Service	327	327	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	32,512	0	25,442	0	7,070	0
Economic Research Service	0	0	0	0	56,239	0	56,239	0	0	0
Forest Service	6,370	6,370	0	0	6,594	148	5,871	0	575	0
Nat'l Agricultural Statistics Svc	2,397	2,397	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	2,200	0	2,200	0	0	0
Department of Commerce, total	75,236	12,509	57,290	5,437	19,289	0	5,018	8,011	6,260	0
Bureau of the Census	2,570	0	0	2,570	0	0	0	0	0	0
Economic Development Admin	0	0	0	0	550	0	550	0	0	0
Nat'l Inst of Standards & Tech	53,241	3,745	46,629	2,867	0	0	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	19,425	8,764	10,661	0	18,739	0	4,468	8,011	6,260	0
Department of Defense, total	521,925	38,808	472,861	10,256	0	0	0	0	0	0
Department of the Air Force	35,510	11,504	20,102	3,904	0	0	0	0	0	0
Department of the Army	50,617	6,714	42,010	1,893	0	0	0	0	0	0
Department of the Navy	19,453	0	19,453	0	0	0	0	0	0	0
Defense Agencies, total	416,345	20,590	391,296	4,459	0	0	0	0	0	0
Ballistic Missile Defense Org	25,214	0	21,757	3,457	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	379,713	20,590	358,121	1,002	0	0	0	0	0	0
Defense Threat Reduction Agency	65	0	65	0	0	0	0	0	0	0
Washington Headquarters Svcs	11,353	0	11,353	0	0	0	0	0	0	0
Department of Education	0	0	0	0	114,969	0	700	0	0	114,269
Department of Energy	488,686	0	483,726	4,960	0	0	0	0	0	0
Dept of Health & Human Svcs, total	52,576	18,090	33,621	865	104,718	0	17,645	0	1,100	85,973
Administration on Aging	0	0	0	0	2,381	0	0	0	0	2,381
Admin for Children & Families	0	0	0	0	24,893	0	0	0	0	24,893
Agency for Healthcare Research and Quality [1]	14,377	296	13,216	865	24,149	0	17,645	0	1,003	5,501
National Institutes of Health	38,199	17,794	20,405	0	39,347	0	0	0	97	39,250
Office of the Secretary, total	0	0	0	0	13,948	0	0	0	0	13,948
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	13,948	0	0	0	0	13,948
Dept of Housing & Urban Development	649	0	0	649	15,065	0	11,628	108	971	2,358

See explanatory information, if any, and SOURCE at end of table.

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of the Interior, total	6,813	1,052	4,454	1,307	17,183	4,487	195	1,877	3,028	7,596
Bureau of Reclamation	0	0	0	0	100	0	50	0	0	50
Geological Survey	5,144	1,052	4,092	0	1,404	0	0	0	819	585
Minerals Management Service	1,307	0	0	1,307	2,216	0	145	1,877	194	0
National Park Service	362	0	362	0	13,463	4,487	0	0	2,015	6,961
Department of Justice, total	500	0	0	500	24,949	0	100	0	16,300	8,549
Bureau of Prisons	500	0	0	500	6,449	0	100	0	1,200	5,149
Office of Justice Programs	0	0	0	0	18,500	0	0	0	15,100	3,400
Department of Labor, total	131	0	131	0	16,495	0	16,495	0	0	0
Bureau of Labor Statistics	0	0	0	0	1,300	0	1,300	0	0	0
Employment & Training Admin	0	0	0	0	8,816	0	8,816	0	0	0
Occupational Safety & Hlth Admin	0	0	0	0	3,757	0	3,757	0	0	0
Office of the Secretary	131	0	131	0	25	0	25	0	0	0
Pension Benefit Guaranty Corp	0	0	0	0	57	0	57	0	0	0
Pension & Welfare Benefits Admin	0	0	0	0	2,540	0	2,540	0	0	0
Department of State[2]	0	0	0	0	1,473	0	236	250	103	884
Department of Transportation, total	11,428	96	3,876	7,456	7,387	0	0	925	0	6,462
Coast Guard	1,133	0	1,133	0	0	0	0	0	0	0
Federal Highway Administration	4,062	0	2,743	1,319	1,880	0	0	925	0	955
Federal Railroad Administration	96	96	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	5,546	0	0	5,546	5,507	0	0	0	0	5,507
Research & Special Programs Admin	591	0	0	591	0	0	0	0	0	0
Department of the Treasury, total	0	0	0	0	48,183	0	2,546	0	0	45,637
Internal Revenue Service	0	0	0	0	48,039	0	2,402	0	0	45,637
Office of Thrift Supervision	0	0	0	0	144	0	144	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Other agencies:										
Appalachian Regional Commission	0	0	0	0	831	0	831	0	0	0
Environmental Protection Agency	15,633	9,013	6,449	171	2,938	0	261	0	0	2,677
Federal Communications Commission	134	0	134	0	2,837	0	2,837	0	0	0
Federal Trade Commission	0	0	0	0	1,254	0	1,254	0	0	0
Internat'l Development Cooperation Agency, total	0	0	0	0	57,978	0	8,452	3,661	38,262	7,603
Agcy for Internat'l Development[3]	0	0	0	0	57,978	0	8,452	3,661	38,262	7,603
National Aeronautics & Space Admin	56,054	2,606	8,401	45,047	0	0	0	0	0	0
National Science Foundation	6,841	9	6,832	0	12,212	266	3,538	563	1,006	6,839
Social Security Administration	0	0	0	0	53,282	0	0	0	0	53,282
US International Trade Commission	0	0	0	0	9,738	0	9,738	0	0	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

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KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-49. Federal obligations for development, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	41,813,108	9,398,880	27,321,807	448,771	1,755,338	1,342,333	801,953	443,722	125,073	175,231
Departments:										
Department of Agriculture, total	126,074	115,217	0	0	10,241	0	297	0	0	319
Agricultural Marketing Service	704	704	0	0	0	0	0	0	0	0
Agricultural Research Service	76,957	72,238	0	0	4,123	0	277	0	0	319
Animal & Plant Hlth Inspection Svc	20,426	14,308	0	0	6,118	0	0	0	0	0
Food Safety Inspection Service	414	394	0	0	0	0	20	0	0	0
Forest Service	27,573	27,573	0	0	0	0	0	0	0	0
Department of Commerce, total	142,226	46,989	76,896	0	5,269	0	8,041	1	5,030	0
Bureau of the Census	9,128	9,128	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	93,277	15,751	76,896	0	389	0	240	1	0	0
Nat'l Oceanic & Atmospheric Admin	18,404	18,297	0	0	107	0	0	0	0	0
National Telecommunications & Information Administration	21,417	3,813	0	0	4,773	0	7,801	0	5,030	0
Department of Defense, total	31,503,597	7,071,176	23,195,871	61,762	484,990	199,003	91,840	331,305	5,632	62,018
Department of the Air Force	13,257,575	779,459	12,280,303	15,620	10,969	12,245	3,709	144,316	5,450	5,504
Department of the Army	4,190,531	1,629,518	2,410,603	4,069	46,518	42,767	9,719	40,607	182	6,548
Department of the Navy	7,953,548	2,900,105	4,705,870	3,898	202,981	20,258	38,168	74,666	0	7,602
Defense Agencies, total	5,800,025	1,646,140	3,640,472	38,150	221,942	123,733	40,244	46,980	0	42,364
Ballistic Missile Defense Org	3,081,740	581,278	2,298,846	21,346	69,411	51,809	247	17,536	0	41,267
Defense Adv Rsch Projects Agcy	998,561	116,725	682,544	3,801	110,687	42,980	26,683	14,403	0	738
Defense Info Systems Agcy	121,820	50,273	56,757	0	0	318	6,778	7,694	0	0
Defense Logistics Agency	64,050	37,561	21,528	0	3,542	200	574	645	0	0
Defense Threat Reduction Agency	139,794	45,161	88,307	500	4,398	181	468	420	0	359
Joint Staff	159,475	159,475	0	0	0	0	0	0	0	0
Special Operations Command	182,877	69,326	113,551	0	0	0	0	0	0	0
Washington Headquarters Svcs	1,051,708	586,341	378,939	12,503	33,904	28,245	5,494	6,282	0	0
Operational Test & Evaluation, Director	44,667	8,519	16,168	0	0	0	0	19,980	0	0
Test & Evaluation, Deputy Under Secretary of Defense	257,251	107,435	142,455	25	2,580	0	0	4,756	0	0
Department of Defense, total advanced technology	4,262,152	1,122,017	2,698,017	21,037	230,870	70,592	69,467	41,390	5,539	3,223
Department of the Air Force	804,054	143,816	639,789	2,309	5,808	1,453	1,223	3,709	5,450	497
Department of the Army	633,228	242,398	362,490	2,992	10,496	5,080	5,554	2,822	89	1,307
Department of the Navy	570,877	143,311	337,215	188	54,265	1,283	31,336	3,017	0	262
Defense Agencies, total	2,253,993	592,492	1,358,523	15,548	160,301	62,776	31,354	31,842	0	1,157
Ballistic Missile Defense Organization	421,434	64,261	329,984	38	11,060	3,746	0	12,285	0	60
Defense Advanced Research Projects Agency	917,216	90,479	627,482	3,801	110,679	42,980	26,654	14,403	0	738
Defense Logistics Agency	56,413	37,375	15,496	0	3,542	0	0	0	0	0
Defense Threat Reduction Agency	139,794	45,161	88,307	500	4,398	181	468	420	0	359
Joint Staff	134,911	134,911	0	0	0	0	0	0	0	0
Special Operations Command	76,809	25,799	51,010	0	0	0	0	0	0	0
Washington Headquarters Services	507,416	194,506	246,244	11,209	30,622	15,869	4,232	4,734	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Federal obligations for development, by agency and performer: fiscal year 1999

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts		
Department of Defense, total major systems	27,241,445	5,949,159	20,497,854	40,725	254,120	128,411	22,373	289,915	93		58,795
Department of the Air Force	12,453,521	635,643	11,640,514	13,311	5,161	10,792	2,486	140,607	0		5,007
Department of the Army	3,557,303	1,387,120	2,048,113	1,077	36,022	37,687	4,165	37,785	93		5,241
Department of the Navy	7,382,671	2,756,794	4,368,655	3,710	148,716	18,975	6,832	71,649	0		7,340
Defense Agencies, total	3,546,032	1,053,648	2,281,949	22,602	61,641	60,957	8,890	15,138	0		41,207
Ballistic Missile Defense Organization	2,660,306	517,017	1,968,862	21,308	58,351	48,063	247	5,251	0		41,207
Defense Advanced Research Projects Agency	81,345	26,246	55,062	0	8	0	29	0	0		0
Defense Information Systems Agency	121,820	50,273	56,757	0	0	318	6,778	7,694	0		0
Defense Logistics Agency	7,637	186	6,032	0	0	200	574	645	0		0
Joint Staff	24,564	24,564	0	0	0	0	0	0	0		0
Special Operations Command	106,068	43,527	62,541	0	0	0	0	0	0		0
Washington Headquarters Services	544,292	391,835	132,695	1,294	3,282	12,376	1,262	1,548	0		0
Operational Test & Evaluation, Director	44,667	8,519	16,168	0	0	0	0	19,980	0		0
Test & Evaluation, Deputy Under Secretary of Defense	257,251	107,435	142,455	25	2,580	0	0	4,756	0		0
Department of Education	75,071	9,076	7,879	0	31,744	0	26,235	0	137		0
Department of Energy	2,089,916	289,422	760,929	368,239	68,368	460,756	31,673	108,441	1,161		927
Dept of Health & Human Svcs, total	2,200,096	422,095	321,061	18,592	1,060,500	3,026	346,132	1,328	22,364		4,998
Administration on Aging	16,145	341	1,512	0	230	0	7,418	0	6,644		0
Agency for Healthcare Research and Quality [2]	10,936	10,936	0	0	0	0	0	0	0		0
National Institutes of Health	1,879,936	410,474	113,496	18,592	1,028,279	3,026	292,405	1,328	7,338		4,998
Office of the Secretary, total	3,772	343	0	0	3,429	0	0	0	0		0
Office of Public Hlth & Science	3,772	343	0	0	3,429	0	0	0	0		0
Substance Abuse & Mental Health Services Administration [3]	289,307	1	206,053	0	28,562	0	46,309	0	8,382		0
Dept of Housing & Urban Development	37,902	20,915	8,801	0	387	0	7,799	0	0		0
Department of the Interior, total	31,496	26,062	3,293	0	2,097	0	0	0	44		0
Bureau of Reclamation	2,567	1,122	0	0	1,445	0	0	0	0		0
Geological Survey	28,929	24,940	3,293	0	652	0	0	0	44		0
Department of Justice, total	64,581	37,048	0	0	2,210	0	6,401	0	18,922		0
Bureau of Prisons	3,504	500	0	0	0	0	0	0	3,004		0
Federal Bureau of Investigation	36,343	36,343	0	0	0	0	0	0	0		0
Immigration & Naturalization Svc	200	200	0	0	0	0	0	0	0		0
Office of Justice Programs	24,534	5	0	0	2,210	0	6,401	0	15,918		0
Department of Labor, total	26,413	1,354	1,017	0	0	0	24,042	0	0		0
Employment & Training Admin	24,967	925	0	0	0	0	24,042	0	0		0
Office of the Secretary	820	220	600	0	0	0	0	0	0		0
Pension Benefit Guaranty Corp	626	209	417	0	0	0	0	0	0		0
Department of Transportation, total	190,282	60,078	49,777	0	11,309	0	2,184	0	66,934		0
Coast Guard	15,206	10,671	4,535	0	0	0	0	0	0		0
Federal Aviation Administration	62,987	32,388	30,599	0	0	0	0	0	0		0
Federal Highway Administration	85,361	9,585	11,667	0	1,094	0	256	0	62,759		0
Federal Railroad Administration	577	1	150	0	426	0	0	0	0		0
Federal Transit Administration	15,744	1,785	2,331	0	9,700	0	1,928	0	0		0
Office of the Secretary	9,097	4,862	60	0	0	0	0	0	4,175		0
Research & Special Programs Admin	1,310	786	435	0	89	0	0	0	0		0

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Federal obligations for development, by agency and performer: fiscal year 1999

[Dollars in thousands]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	13,985	3,088	10,897	0	0	0	0	0	0	0
Bureau of Engraving & Printing	94	94	0	0	0	0	0	0	0	0
Internal Revenue Service	7,801	1,943	5,858	0	0	0	0	0	0	0
United States Customs Service	5,305	1,000	4,305	0	0	0	0	0	0	0
United States Mint	785	51	734	0	0	0	0	0	0	0
Department of Veterans Affairs	6,804	6,804	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	95,800	2,965	40,767	0	34,726	0	14,488	0	2,517	337
Internat'l Development Cooperation Agency, total	39,257	3,926	196	0	1,570	0	33,369	0	0	196
Agcy for Internat'l Development[4]	39,257	3,926	196	0	1,570	0	33,369	0	0	196
Library of Congress	1,844	1,244	575	0	25	0	0	0	0	0
National Aeronautics & Space Admin	5,167,764	1,281,421	2,843,848	178	41,902	679,548	209,452	2,647	2,332	106,436

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	43,140,740	9,869,267	27,926,962	485,358	1,912,991	1,318,979	868,819	447,552	121,645	189,167
Departments:										
Department of Agriculture, total	130,608	122,122	0	0	7,912	0	277	0	0	297
Agricultural Marketing Service	763	763	0	0	0	0	0	0	0	0
Agricultural Research Service	81,138	75,652	0	0	4,912	0	277	0	0	297
Animal & Plant Hlth Inspection Svc	20,547	17,547	0	0	3,000	0	0	0	0	0
Food Safety Inspection Service	20	20	0	0	0	0	0	0	0	0
Forest Service	28,140	28,140	0	0	0	0	0	0	0	0
Department of Commerce, total	143,659	46,625	83,294	0	3,941	0	6,009	1	3,789	0
Bureau of the Census	8,715	8,715	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	99,146	15,178	83,294	0	413	0	260	1	0	0
Nat'l Oceanic & Atmospheric Admin	18,868	18,868	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	16,930	3,864	0	0	3,528	0	5,749	0	3,789	0
Department of Defense, total	32,376,635	7,471,245	23,645,015	86,733	458,424	196,214	113,269	326,809	3,661	75,265
Department of the Air Force	13,485,830	955,526	12,280,626	25,795	5,982	12,985	5,976	172,839	3,512	22,589
Department of the Army	4,415,686	1,577,392	2,633,613	2,651	87,143	50,781	28,415	32,344	104	3,243
Department of the Navy	8,373,376	3,185,218	4,845,114	6,112	192,980	22,916	39,049	68,255	0	13,732
Defense Agencies, total	5,825,501	1,648,692	3,736,144	52,155	169,974	109,532	39,829	33,429	45	35,701
Ballistic Missile Defense Org	3,290,731	633,419	2,474,117	40,160	38,241	54,754	906	14,428	0	34,706
Defense Adv Rsch Projects Agcy	838,848	100,952	573,294	3,140	91,431	35,506	22,019	11,897	0	609
Defense Info Systems Agcy	96,821	47,007	39,701	0	0	0	6,157	3,956	0	0
Defense Logistics Agency	93,666	65,067	24,929	0	2,890	0	780	0	0	0
Defense Threat Reduction Agency	145,606	73,342	66,038	100	4,940	87	376	337	0	386
Joint Staff	48,967	48,967	0	0	0	0	0	0	0	0
Special Operations Command	209,718	76,402	133,316	0	0	0	0	0	0	0
Washington Headquarters Svcs	1,101,144	603,536	424,749	8,755	32,472	19,185	9,591	2,811	45	0
Operational Test & Evaluation, Director	28,908	6,506	7,360	0	0	0	0	15,042	0	0
Test & Evaluation, Deputy Under Secretary of Defense	247,334	97,911	142,158	20	2,345	0	0	4,900	0	0
Department of Defense, total advanced technology	4,257,385	1,206,476	2,540,814	13,562	266,406	64,615	92,346	64,840	3,616	4,710
Department of the Air Force	707,297	154,783	505,142	0	4,193	5,770	175	33,216	3,512	506
Department of the Army	873,925	326,939	459,135	1,993	53,848	1,711	23,380	3,655	104	3,160
Department of the Navy	746,380	203,482	424,240	225	76,506	1,191	37,187	3,536	0	13
Defense Agencies, total	1,929,783	521,272	1,152,297	11,344	131,859	55,943	31,604	24,433	0	1,031
Ballistic Missile Defense Organization	322,390	65,836	234,786	150	4,009	6,410	906	10,257	0	36
Defense Advanced Research Projects Agency	757,747	74,785	518,360	3,140	91,431	35,506	22,019	11,897	0	609
Defense Logistics Agency	42,882	23,469	16,523	0	2,890	0	0	0	0	0
Defense Threat Reduction Agency	145,606	73,342	66,038	100	4,940	87	376	337	0	386
Joint Staff	30,598	30,598	0	0	0	0	0	0	0	0
Special Operations Command	88,082	31,829	56,253	0	0	0	0	0	0	0
Washington Headquarters Services	542,478	221,413	260,337	7,954	28,589	13,940	8,303	1,942	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Defense, total major systems	28,119,250	6,264,769	21,104,201	73,171	192,018	131,599	20,923	261,969	45	70,555
Department of the Air Force	12,778,533	800,743	11,775,484	25,795	1,789	7,215	5,801	139,623	0	22,083
Department of the Army	3,541,761	1,250,453	2,174,478	658	33,295	49,070	5,035	28,689	0	83
Department of the Navy	7,626,996	2,981,736	4,420,874	5,887	116,474	21,725	1,862	64,719	0	13,719
Defense Agencies, total	3,895,718	1,127,420	2,583,847	40,811	38,115	53,589	8,225	8,996	45	34,670
Ballistic Missile Defense Organization	2,968,341	567,583	2,239,331	40,010	34,232	48,344	0	4,171	0	34,670
Defense Advanced Research Projects Agency	81,101	26,167	54,934	0	0	0	0	0	0	0
Defense Information Systems Agency	96,821	47,007	39,701	0	0	0	6,157	3,956	0	0
Defense Logistics Agency	50,784	41,598	8,406	0	0	0	780	0	0	0
Joint Staff	18,369	18,369	0	0	0	0	0	0	0	0
Special Operations Command	121,636	44,573	77,063	0	0	0	0	0	0	0
Washington Headquarters Services	558,666	382,123	164,412	801	3,883	5,245	1,288	869	45	0
Operational Test & Evaluation, Director	28,908	6,506	7,360	0	0	0	0	15,042	0	0
Test & Evaluation, Deputy Under Secretary of Defense	247,334	97,911	142,158	20	2,345	0	0	4,900	0	0
Department of Education	88,409	12,857	8,019	0	37,471	0	29,909	0	153	0
Department of Energy	2,164,864	336,292	773,151	377,044	69,523	463,805	27,816	115,283	1,050	900
Dept of Health & Human Svcs, total	2,520,737	467,518	342,199	21,400	1,255,585	3,511	394,113	1,501	29,157	5,753
Administration on Aging	26,688	341	925	0	3,530	0	10,081	0	11,811	0
Agency for Healthcare Research and Quality[2]	11,928	11,928	0	0	0	0	0	0	0	0
National Institutes of Health	2,181,297	454,871	130,636	21,400	1,218,615	3,511	336,564	1,501	8,446	5,753
Office of the Secretary, total	4,149	377	0	0	3,772	0	0	0	0	0
Office of Public Hlth & Science	4,149	377	0	0	3,772	0	0	0	0	0
Substance Abuse & Mental Health Services Administration[3]	296,675	1	210,638	0	29,668	0	47,468	0	8,900	0
Dept of Housing & Urban Development	37,095	20,838	8,124	0	349	0	7,784	0	0	0
Department of the Interior, total	26,127	21,632	2,639	0	1,616	0	0	0	240	0
Bureau of Reclamation	2,136	1,000	0	0	1,136	0	0	0	0	0
Geological Survey	23,991	20,632	2,639	0	480	0	0	0	240	0
Department of Justice, total	59,404	37,101	450	0	1,710	0	4,400	0	15,743	0
Bureau of Prisons	3,468	500	0	0	0	0	0	0	2,968	0
Federal Bureau of Investigation	36,396	36,396	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	650	200	450	0	0	0	0	0	0	0
Office of Justice Programs	18,890	5	0	0	1,710	0	4,400	0	12,775	0
Department of Labor, total	30,793	1,406	2,568	0	0	0	26,819	0	0	0
Employment & Training Admin	27,937	1,118	0	0	0	0	26,819	0	0	0
Office of the Secretary	2,198	60	2,138	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	658	228	430	0	0	0	0	0	0	0
Department of Transportation, total	187,899	62,365	54,705	9	6,442	0	768	0	63,610	0
Coast Guard	15,806	11,306	4,500	0	0	0	0	0	0	0
Federal Aviation Administration	59,787	32,491	27,296	0	0	0	0	0	0	0
Federal Highway Administration	92,889	11,995	20,495	0	1,371	0	274	0	58,754	0
Federal Railroad Administration	911	1	689	0	221	0	0	0	0	0
Federal Transit Administration	13,164	1,975	989	0	4,850	0	494	0	4,856	0
Office of the Secretary	3,671	3,671	0	0	0	0	0	0	0	0
Research & Special Programs Admin	1,671	926	736	9	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-50. Preliminary Federal obligations for development, by agency and performer: fiscal year 2000

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by non-profit institutions	State and local govts	
Department of the Treasury, total	8,704	2,805	5,899	0	0	0	0	0	0	0
Bureau of Engraving & Printing	103	103	0	0	0	0	0	0	0	0
Internal Revenue Service	5,695	1,647	4,048	0	0	0	0	0	0	0
United States Customs Service	1,851	1,000	851	0	0	0	0	0	0	0
United States Mint	1,055	55	1,000	0	0	0	0	0	0	0
Department of Veterans Affairs	7,359	7,359	0	0	0	0	0	0	0	0
Other agencies										
Environmental Protection Agency	91,500	21,594	30,652	0	26,169	0	10,888	0	1,922	275
Internat'l Development Cooperation Agency, total	48,040	5,765	480	0	1,922	0	39,393	0	0	480
Agcy for Internat'l Development[4]	48,040	5,765	480	0	1,922	0	39,393	0	0	480
Library of Congress	1,347	847	475	0	25	0	0	0	0	0
National Aeronautics & Space Admin	5,217,560	1,230,896	2,969,292	172	41,902	655,449	207,374	3,958	2,320	106,197

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 2001

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	42,838,075	9,559,608	27,908,297	474,283	2,027,497	1,240,736	834,969	507,692	122,844	162,149
Departments										
Department of Agriculture, total	141,349	134,680	0	0	6,070	0	277	0	0	322
Agricultural Marketing Service	763	763	0	0	0	0	0	0	0	0
Agricultural Research Service	87,179	83,510	0	0	3,070	0	277	0	0	322
Animal & Plant Hlth Inspection Svc	21,347	18,347	0	0	3,000	0	0	0	0	0
Forest Service	32,060	32,060	0	0	0	0	0	0	0	0
Department of Commerce, total	184,723	46,485	90,463	0	15,557	0	20,327	1	11,890	0
Bureau of the Census	188	188	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	116,309	19,171	90,363	0	4,487	0	2,287	1	0	0
Nat'l Oceanic & Atmospheric Admin	23,107	23,007	100	0	0	0	0	0	0	0
National Telecommunications & Information Administration	45,119	4,119	0	0	11,070	0	18,040	0	11,890	0
Department of Defense, total	31,986,311	7,082,746	23,754,001	86,347	417,218	176,998	59,557	357,490	2,922	49,032
Department of the Air Force	12,947,823	737,037	11,950,543	37,407	7,988	14,687	1,208	193,738	2,802	2,413
Department of the Army	4,467,413	1,552,228	2,787,322	2,207	46,929	35,353	7,650	34,861	69	794
Department of the Navy	7,819,728	2,984,782	4,546,882	2,929	173,821	18,709	13,421	67,605	0	11,579
Defense Agencies, total	6,535,643	1,721,934	4,365,521	43,782	185,711	108,249	37,278	38,871	51	34,246
Ballistic Missile Defense Org	3,891,334	730,159	2,986,556	30,105	45,850	54,039	1,060	10,013	0	33,552
Defense Adv Rsch Projects Agcy	861,970	103,494	589,103	3,231	94,081	36,535	22,657	12,242	0	627
Defense Info Systems Agcy	191,271	62,798	109,922	0	0	0	8,739	9,812	0	0
Defense Logistics Agency	77,789	44,064	29,233	0	3,792	200	200	300	0	0
Defense Threat Reduction Agency	138,347	58,858	78,228	15	1,001	14	107	57	0	67
Joint Staff	75,262	75,262	0	0	0	0	0	0	0	0
Special Operations Command	213,751	66,617	147,134	0	0	0	0	0	0	0
Washington Headquarters Svcs	1,085,919	580,682	425,345	10,431	40,987	17,461	4,515	6,447	51	0
Operational Test & Evaluation, Director	176,017	70,909	81,184	19	2,355	0	0	21,550	0	0
Test & Evaluation, Deputy Under Secretary of Defense	39,687	15,856	22,549	3	414	0	0	865	0	0
Department of Defense, total advanced technology	3,597,543	972,372	2,197,168	14,972	208,477	65,166	40,329	94,227	2,871	1,961
Department of the Air Force	639,002	128,533	427,111	0	7,262	7,278	175	65,408	2,802	433
Department of the Army	522,470	195,181	318,093	1,835	2,305	802	1,397	1,994	69	794
Department of the Navy	551,419	156,138	311,870	229	67,733	1,139	11,833	2,477	0	0
Defense Agencies, total	1,884,652	492,520	1,140,094	12,908	131,177	55,947	26,924	24,348	0	734
Ballistic Missile Defense Organization	246,783	40,884	190,141	150	3,450	4,475	1,060	6,583	0	40
Defense Advanced Research Projects Agency	779,707	76,952	533,382	3,231	94,081	36,535	22,657	12,242	0	627
Defense Logistics Agency	37,083	24,078	9,213	0	3,792	0	0	0	0	0
Defense Threat Reduction Agency	138,347	58,858	78,228	15	1,001	14	107	57	0	67
Joint Staff	51,167	51,167	0	0	0	0	0	0	0	0
Special Operations Command	92,505	30,730	61,775	0	0	0	0	0	0	0
Washington Headquarters Services	539,060	209,851	267,355	9,512	28,853	14,923	3,100	5,466	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Defense, total major systems	28,388,768	6,110,374	21,556,833	71,375	208,741	111,832	19,228	263,263	51	47,071
Department of the Air Force	12,308,821	608,504	11,523,432	37,407	726	7,409	1,033	128,330	0	1,980
Department of the Army	3,944,943	1,357,047	2,469,229	372	44,624	34,551	6,253	32,867	0	0
Department of the Navy	7,268,309	2,828,644	4,235,012	2,700	106,088	17,570	1,588	65,128	0	11,579
Defense Agencies, total	4,650,991	1,229,414	3,225,427	30,874	54,534	52,302	10,354	14,523	51	33,512
Ballistic Missile Defense Organization	3,644,551	689,275	2,796,415	29,955	42,400	49,564	0	3,430	0	33,512
Defense Advanced Research Projects Agency	82,263	26,542	55,721	0	0	0	0	0	0	0
Defense Information Systems Agency	191,271	62,798	109,922	0	0	0	8,739	9,812	0	0
Defense Logistics Agency	40,706	19,986	20,020	0	0	200	200	300	0	0
Joint Staff	24,095	24,095	0	0	0	0	0	0	0	0
Special Operations Command	121,246	35,887	85,359	0	0	0	0	0	0	0
Washington Headquarters Services	546,859	370,831	157,990	919	12,134	2,538	1,415	981	51	0
Operational Test & Evaluation, Director	176,017	70,909	81,184	19	2,355	0	0	21,550	0	0
Test & Evaluation, Deputy Under Secretary of Defense	39,687	15,856	22,549	3	414	0	0	865	0	0
Department of Education	119,985	26,398	11,197	0	41,935	0	32,263	0	8,192	0
Department of Energy	2,269,837	350,081	860,589	364,872	83,179	446,668	20,580	142,868	1,000	0
Dept of Health & Human Svcs, total	2,686,179	490,802	340,054	22,737	1,379,078	3,730	412,821	1,595	29,250	6,112
Administration on Aging	26,688	341	925	0	3,530	0	10,081	0	11,811	0
Agency for Healthcare Research and Quality[2]	15,000	15,000	0	0	0	0	0	0	0	0
National Institutes of Health	2,357,770	475,045	138,800	22,737	1,343,182	3,730	357,595	1,595	8,974	6,112
Office of the Secretary, total	4,565	415	0	0	4,150	0	0	0	0	0
Office of Public Hlth & Science	4,565	415	0	0	4,150	0	0	0	0	0
Substance Abuse & Mental Health Services Administration[3]	282,156	1	200,329	0	28,216	0	45,145	0	8,465	0
Dept of Housing & Urban Development	40,079	22,554	8,722	0	378	0	8,425	0	0	0
Department of the Interior, total	36,820	31,259	3,806	0	1,409	0	0	0	346	0
Bureau of Reclamation	2,216	1,500	0	0	716	0	0	0	0	0
Geological Survey	34,604	29,759	3,806	0	693	0	0	0	346	0
Department of Justice, total	66,387	42,154	400	0	6,210	0	6,000	0	11,623	0
Bureau of Prisons	3,563	500	0	0	0	0	0	0	3,063	0
Federal Bureau of Investigation	41,449	41,449	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	600	200	400	0	0	0	0	0	0	0
Office of Justice Programs	20,775	5	0	0	6,210	0	6,000	0	8,560	0
Department of Labor, total	33,116	1,590	5,488	0	0	0	26,038	0	0	0
Employment & Training Admin	27,123	1,085	0	0	0	0	26,038	0	0	0
Office of the Secretary	5,340	240	5,100	0	0	0	0	0	0	0
Pension Benefit Guaranty Corp	653	265	388	0	0	0	0	0	0	0
Department of Transportation, total	213,215	75,297	75,093	0	6,550	0	2,862	0	53,413	0
Coast Guard	15,264	10,922	4,342	0	0	0	0	0	0	0
Federal Aviation Administration	80,448	43,188	37,260	0	0	0	0	0	0	0
Federal Highway Administration	99,098	13,532	31,960	0	1,401	0	2,862	0	49,343	0
Federal Railroad Administration	781	1	481	0	299	0	0	0	0	0
Federal Transit Administration	11,390	2,070	400	0	4,850	0	0	0	4,070	0
Office of the Secretary	4,658	4,658	0	0	0	0	0	0	0	0
Research & Special Programs Admin	1,576	926	650	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-51. Preliminary Federal obligations for development, by agency and performer: fiscal year 2001

[Dollars in thousands]

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Agency and subdivision	Total	Intramural[1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	7,912	2,165	5,747	0	0	0	0	0	0	0
Bureau of Engraving & Printing	103	103	0	0	0	0	0	0	0	0
Internal Revenue Service	6,499	2,002	4,497	0	0	0	0	0	0	0
United States Mint	1,310	60	1,250	0	0	0	0	0	0	0
Department of Veterans Affairs	7,365	7,365	0	0	0	0	0	0	0	0
Other agencies										
Environmental Protection Agency	90,700	21,405	30,385	0	25,940	0	10,793	0	1,905	272
Internat'l Development Cooperation Agency, total	51,153	6,138	512	0	2,046	0	41,945	0	0	512
Agcy for Internat'l Development[4]	51,153	6,138	512	0	2,046	0	41,945	0	0	512
Library of Congress	1,499	999	475	0	25	0	0	0	0	0
National Aeronautics & Space Admin	4,901,445	1,217,490	2,721,365	327	41,902	613,340	193,081	5,738	2,303	105,899

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[3] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-52. Federal funds for R&D plant, by agency: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Agency and subdivision	Obligations			Outlays		
	1999	Preliminary		1999	Preliminary	
		2000	2001		2000	2001
Total, all agencies	2,045,746	2,302,378	2,083,237	2,028,718	2,090,296	2,145,250
Departments:						
Department of Agriculture, total	131,086	126,574	113,262	166,563	149,245	152,831
Agricultural Research Service	118,512	111,662	105,262	113,929	111,793	111,707
Cooperative State Rsch, Ed, & Extension Svc	574	2,912	0	40,634	25,452	33,124
Forest Service	12,000	12,000	8,000	12,000	12,000	8,000
Department of Commerce, total	19,603	226,386	35,879	36,331	32,448	40,503
National Institute of Standards & Technology	19,603	226,386	35,879	36,331	32,448	40,503
Department of Defense, total	107,566	67,796	65,217	127,571	84,927	76,607
Department of the Air Force	47,164	22,087	21,387	73,141	45,131	37,101
Department of the Army, total	4,598	39	0	4,061	1,712	362
Department of the Army, Military Functions	4,598	39	0	4,061	1,712	362
Department of the Navy	35,644	38,258	38,158	31,540	33,534	36,344
Defense Agencies, total	20,160	7,412	5,672	18,829	4,550	2,800
Ballistic Missile Defense Organization	18,725	4,550	2,800	18,725	4,550	2,800
Defense Logistics Agency	104	0	0	104	0	0
Washington Headquarters Services	1,331	2,862	2,872	0	0	0
Department of Energy	866,205	820,107	863,479	801,885	904,014	856,967
Department of Health & Human Services, total	252,818	362,444	228,007	223,423	230,018	257,745
Food & Drug Administration	2,621	3,000	3,000	2,544	3,000	3,000
Health Resources & Services Administration	607	607	607	607	607	607
National Institutes of Health	249,590	358,837	224,400	220,272	226,411	254,138
Department of the Interior, total	1,390	1,100	1,100	1,481	1,196	1,123
Minerals Management Service	1,390	1,100	1,100	1,481	1,196	1,123
Department of Transportation, total	14,567	14,380	15,618	15,493	14,973	15,287
Coast Guard	260	266	272	260	266	272
Federal Aviation Administration	14,290	12,800	13,996	14,290	13,396	13,667
Federal Railroad Administration	17	1,314	1,350	943	1,311	1,348
Department of the Treasury, total	125	125	0	125	125	0
United States Customs Service	125	125	0	125	125	0
Department of Veterans Affairs	346	350	350	346	350	350
Other agencies:						
Environmental Protection Agency	116,000	110,000	142,000	61,000	118,000	132,000
General Services Administration	0	0	46	0	0	837
National Aeronautics & Space Administration	359,500	361,538	363,520	337,000	338,000	398,000
National Science Foundation	173,540	207,578	250,759	255,000	214,000	210,000
Smithsonian Institution	3,000	4,000	4,000	2,500	3,000	3,000

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-53. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	2,045,746	483,258	544,673	172,829	141,193	615,542	12,215	70,740	5,290	6
Departments:										
Department of Agriculture, total	131,086	130,512	0	0	574	0	0	0	0	0
Agricultural Research Service	118,512	118,512	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	574	0	0	0	574	0	0	0	0	0
Forest Service	12,000	12,000	0	0	0	0	0	0	0	0
Department of Commerce, total	19,603	19,603	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	19,603	19,603	0	0	0	0	0	0	0	0
Department of Defense, total	107,566	76,027	31,279	86	168	0	0	0	0	6
Department of the Air Force	47,164	41,293	5,871	0	0	0	0	0	0	0
Department of the Army	4,598	0	4,592	0	0	0	0	0	0	6
Department of the Navy	35,644	34,344	1,300	0	0	0	0	0	0	0
Defense Agencies, total	20,160	390	19,516	86	168	0	0	0	0	0
Ballistic Missile Defense Org	18,725	0	18,725	0	0	0	0	0	0	0
Defense Logistics Agency	104	0	104	0	0	0	0	0	0	0
Washington Headquarters Svcs	1,331	390	687	86	168	0	0	0	0	0
Department of Energy	866,205	30	38,520	171,701	9,474	575,740	0	70,740	0	0
Dept of Health & Human Svcs, total	252,818	220,084	0	1,042	24,202	0	7,490	0	0	0
Food & Drug Administration	2,621	2,621	0	0	0	0	0	0	0	0
Health Resources & Services Admin	607	607	0	0	0	0	0	0	0	0
National Institutes of Health	249,590	216,856	0	1,042	24,202	0	7,490	0	0	0
Department of the Interior, total	1,390	197	1,193	0	0	0	0	0	0	0
Minerals Management Service	1,390	197	1,193	0	0	0	0	0	0	0
Department of Transportation, total	14,567	0	9,017	0	260	0	0	0	5,290	0
Coast Guard	260	0	0	0	260	0	0	0	0	0
Federal Aviation Administration	14,290	0	9,000	0	0	0	0	0	5,290	0
Federal Railroad Administration	17	0	17	0	0	0	0	0	0	0
Department of the Treasury, total	125	0	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
Department of Veterans Affairs	346	346	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	116,000	0	116,000	0	0	0	0	0	0	0
National Aeronautics & Space Admin	359,500	9,656	334,744	0	0	15,100	0	0	0	0
National Science Foundation	173,540	23,803	13,795	0	106,515	24,702	4,725	0	0	0
Smithsonian Institution	3,000	3,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-54. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Total, all agencies	2,302,378	787,840	526,692	154,462	192,766	552,769	24,615	61,911	1,323	0
Departments:										
Department of Agriculture, total	126,574	123,662	0	0	795	0	2,117	0	0	0
Agricultural Research Service	111,662	111,662	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	2,912	0	0	0	795	0	2,117	0	0	0
Forest Service	12,000	12,000	0	0	0	0	0	0	0	0
Department of Commerce, total	226,386	226,386	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	226,386	226,386	0	0	0	0	0	0	0	0
Department of Defense, total	67,796	54,835	11,514	154	187	624	0	482	0	0
Department of the Air Force	22,087	17,099	4,988	0	0	0	0	0	0	0
Department of the Army	39	0	39	0	0	0	0	0	0	0
Department of the Navy	38,258	37,104	1,154	0	0	0	0	0	0	0
Defense Agencies, total	7,412	632	5,333	154	187	624	0	482	0	0
Ballistic Missile Defense Org	4,550	0	4,550	0	0	0	0	0	0	0
Washington Headquarters Svcs	2,862	632	783	154	187	624	0	482	0	0
Department of Energy	820,107	53,924	40,028	152,808	6,457	505,461	0	61,429	0	0
Dept of Health & Human Svcs, total	362,444	286,444	0	1,500	57,654	0	16,846	0	0	0
Food & Drug Administration	3,000	3,000	0	0	0	0	0	0	0	0
Health Resources & Services Admin	607	607	0	0	0	0	0	0	0	0
National Institutes of Health	358,837	282,837	0	1,500	57,654	0	16,846	0	0	0
Department of the Interior, total	1,100	111	989	0	0	0	0	0	0	0
Minerals Management Service	1,100	111	989	0	0	0	0	0	0	0
Department of Transportation, total	14,380	0	12,791	0	266	0	0	0	1,323	0
Coast Guard	266	0	0	0	266	0	0	0	0	0
Federal Aviation Administration	12,800	0	11,477	0	0	0	0	0	1,323	0
Federal Railroad Administration	1,314	0	1,314	0	0	0	0	0	0	0
Department of the Treasury, total	125	0	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
Department of Veterans Affairs	350	350	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	110,000	0	110,000	0	0	0	0	0	0	0
National Aeronautics & Space Admin	361,538	9,656	334,744	0	0	17,138	0	0	0	0
National Science Foundation	207,578	28,472	16,501	0	127,407	29,546	5,652	0	0	0
Smithsonian Institution	4,000	4,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-55. Preliminary Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	2,083,237	441,941	561,668	321,611	194,400	469,547	14,295	79,775	0	0
Departments										
Department of Agriculture, total	113,262	113,262	0	0	0	0	0	0	0	0
Agricultural Research Service	105,262	105,262	0	0	0	0	0	0	0	0
Forest Service	8,000	8,000	0	0	0	0	0	0	0	0
Department of Commerce, total	35,879	35,879	0	0	0	0	0	0	0	0
Nat'l Inst of Standards & Tech	35,879	35,879	0	0	0	0	0	0	0	0
Department of Defense, total	65,217	49,282	14,478	164	187	624	0	482	0	0
Department of the Air Force	21,387	11,512	9,875	0	0	0	0	0	0	0
Department of the Navy	38,158	37,138	1,020	0	0	0	0	0	0	0
Defense Agencies, total	5,672	632	3,583	164	187	624	0	482	0	0
Ballistic Missile Defense Org	2,800	0	2,800	0	0	0	0	0	0	0
Washington Headquarters Svcs	2,872	632	783	164	187	624	0	482	0	0
Department of Energy	863,479	0	34,178	320,247	15,651	414,110	0	79,293	0	0
Dept of Health & Human Svcs, total	228,007	195,007	0	1,200	24,333	0	7,467	0	0	0
Food & Drug Administration	3,000	3,000	0	0	0	0	0	0	0	0
Health Resources & Services Admin	607	607	0	0	0	0	0	0	0	0
National Institutes of Health	224,400	191,400	0	1,200	24,333	0	7,467	0	0	0
Department of the Interior, total	1,100	111	989	0	0	0	0	0	0	0
Minerals Management Service	1,100	111	989	0	0	0	0	0	0	0
Department of Transportation, total	15,618	0	15,346	0	272	0	0	0	0	0
Coast Guard	272	0	0	0	272	0	0	0	0	0
Federal Aviation Administration	13,996	0	13,996	0	0	0	0	0	0	0
Federal Railroad Administration	1,350	0	1,350	0	0	0	0	0	0	0
Department of Veterans Affairs	350	350	0	0	0	0	0	0	0	0
Other agencies										
Environmental Protection Agency	142,000	0	142,000	0	0	0	0	0	0	0
General Services Administration	46	0	0	0	45	0	1	0	0	0
National Aeronautics & Space Admin	363,520	9,656	334,744	0	0	19,120	0	0	0	0
National Science Foundation	250,759	34,394	19,933	0	153,912	35,693	6,827	0	0	0
Smithsonian Institution	4,000	4,000	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	12,776,067	14,219,201	15,201,869
Life sciences, total	8,091,094	9,232,385	9,687,595
Biological (excluding environmental)	4,288,328	NA	NA
Environmental biology	194,666	NA	NA
Agricultural	202,748	NA	NA
Medical	3,141,633	NA	NA
Life sciences, n.e.c.	263,719	NA	NA
Psychology, total	325,569	383,686	402,461
Biological aspects	14,246	NA	NA
Social aspects	11,855	NA	NA
Psychological sciences, n.e.c.	299,468	NA	NA
Physical sciences, total	1,322,760	1,393,202	1,499,811
Astronomy	196,996	NA	NA
Chemistry	380,705	NA	NA
Physics	628,655	NA	NA
Physical sciences, n.e.c.	116,404	NA	NA
Environmental sciences, total	696,105	728,039	809,285
Atmospheric	202,584	NA	NA
Geological	143,948	NA	NA
Oceanography	240,596	NA	NA
Environmental sciences, n.e.c.	108,977	NA	NA
Mathematics & computer sciences, total	662,983	702,490	829,000
Mathematics	131,264	NA	NA
Computer sciences	506,284	NA	NA
Mathematics & computer sciences, n.e.c.	25,435	NA	NA
Engineering, total	1,046,107	1,096,687	1,229,523
Aeronautical	72,452	NA	NA
Astronautical	40,957	NA	NA
Chemical	74,586	NA	NA
Civil	44,815	NA	NA
Electrical	192,238	NA	NA
Mechanical	77,957	NA	NA
Metallurgy & materials	241,172	NA	NA
Engineering, n.e.c.	301,930	NA	NA
Social sciences, total	231,398	257,798	279,650
Anthropology	11,031	NA	NA
Economics	52,305	NA	NA
Political science	5,325	NA	NA
Sociology	14,472	NA	NA
Social sciences, n.e.c.	148,265	NA	NA
Other sciences, n.e.c.	400,051	424,914	464,544

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal years 1999, 2000, and 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY:

NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-57. Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	12,776,067	8,091,094	325,569	1,322,760	696,105	662,983	1,046,107	231,398	400,051
Departments									
Department of Agriculture, total	481,547	393,010	0	22,471	1,889	316	16,335	47,526	0
Agricultural Marketing Service	286	286	0	0	0	0	0	0	0
Agricultural Research Service	41,692	37,559	0	3,261	211	49	612	0	0
Cooperative State Research, Education, & Extension Service	414,555	338,597	0	19,060	1,090	0	15,378	40,430	0
Economic Research Service	3,508	0	0	0	0	0	0	3,508	0
Foreign Agricultural Service	646	646	0	0	0	0	0	0	0
Forest Service	19,927	15,922	0	150	588	114	345	2,808	0
Nat'l Agricultural Statistics Svc	153	0	0	0	0	153	0	0	0
Rural Business-Cooperative Svc	780	0	0	0	0	0	0	780	0
Department of Defense, total	988,963	154,839	3,387	103,477	87,671	225,926	397,292	0	16,371
Department of the Air Force	110,566	8,188	201	24,483	0	20,564	51,097	0	6,033
Department of the Army	85,415	28,888	894	9,422	8,522	7,166	30,523	0	0
Department of the Navy	242,346	27,581	0	26,501	68,970	16,600	102,694	0	0
Defense Agencies, total	550,636	90,182	2,292	43,071	10,179	181,596	212,978	0	10,338
Ballistic Missile Defense Org	7,341	0	0	4,592	0	0	2,091	0	658
Defense Adv Rsch Projects Agcy	299,325	37,399	0	9,712	0	157,494	85,744	0	8,976
Defense Threat Reduction Agency	782	0	0	0	0	0	180	0	602
Special Operations Command	1,846	0	0	0	0	0	1,744	0	102
Washington Headquarters Svcs	241,342	52,783	2,292	28,767	10,179	24,102	123,219	0	0
Department of Energy	561,885	74,381	0	330,919	67,964	17,500	68,135	0	2,986
Dept of Health & Human Svcs, total	7,922,622	7,046,986	310,483	116,772	20,879	24,826	57,998	87,028	257,650
Administration on Aging	1,071	0	0	0	0	0	0	1,071	0
Admin for Children & Families	9,969	0	0	0	0	0	0	9,969	0
Agency for Healthcare Research and Quality [1]	50,621	40,459	382	0	0	853	0	5,701	3,226
Centers for Disease Control & Prevention	95,537	95,537	0	0	0	0	0	0	0
Food & Drug Administration	14,590	14,590	0	0	0	0	0	0	0
Health Care Financing Admin	5,044	5,044	0	0	0	0	0	0	0
Health Resources & Services Admin	8,019	8,019	0	0	0	0	0	0	0
National Institutes of Health	7,733,215	6,883,337	310,101	116,772	20,879	23,973	57,998	65,731	254,424
Office of the Secretary, total	4,556	0	0	0	0	0	0	4,556	0
Office of the Asst Secretary, Planning & Evaluation	4,556	0	0	0	0	0	0	4,556	0
Other agencies									
National Aeronautics & Space Admin	744,694	56,813	7,461	311,759	182,833	30,686	124,716	325	30,101
National Science Foundation	2,076,356	365,065	4,238	437,362	334,869	363,729	381,631	96,519	92,943

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-58. Preliminary Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,219,201	9,232,385	383,686	1,393,202	728,039	702,490	1,096,687	257,798	424,914
Departments									
Department of Agriculture, total	572,695	473,200	0	25,433	1,963	493	17,717	53,889	0
Agricultural Research Service	49,669	44,746	0	3,866	234	74	749	0	0
Cooperative State Research, Education, & Extension Service	494,839	411,886	0	21,417	1,141	0	16,623	43,772	0
Economic Research Service	7,009	0	0	0	0	0	0	7,009	0
Foreign Agricultural Service	646	646	0	0	0	0	0	0	0
Forest Service	19,927	15,922	0	150	588	114	345	2,808	0
Nat'l Agricultural Statistics Svc	305	0	0	0	0	305	0	0	0
Rural Business-Cooperative Svc	300	0	0	0	0	0	0	300	0
Department of Defense, total	1,064,094	169,859	15,778	101,441	89,447	248,323	436,588	350	2,308
Department of the Air Force	110,327	8,370	280	21,130	0	22,783	57,135	0	629
Department of the Army	121,742	49,316	1,303	12,151	5,689	9,466	43,817	0	0
Department of the Navy	254,230	28,220	0	26,504	71,207	16,915	111,384	0	0
Defense Agencies, total	577,795	83,953	14,195	41,656	12,551	199,159	224,252	350	1,679
Ballistic Missile Defense Org	5,919	0	0	3,569	0	300	2,050	0	0
Defense Adv Rsch Projects Agcy	306,014	32,627	0	6,176	0	171,905	94,078	0	1,228
Defense Threat Reduction Agency	541	0	0	0	0	0	150	0	391
Special Operations Command	1,310	0	0	0	0	0	1,250	0	60
Washington Headquarters Svcs	264,011	51,326	14,195	31,911	12,551	26,954	126,724	350	0
Department of Energy	572,001	84,611	0	345,304	63,731	10,567	67,788	0	0
Dept of Health & Human Svcs, total	9,066,195	8,061,460	356,089	133,878	23,937	28,606	66,494	100,674	295,057
Administration on Aging	900	0	0	0	0	0	0	900	0
Admin for Children & Families	12,736	0	0	0	0	0	0	12,736	0
Agency for Healthcare Research and Quality [1]	56,061	44,849	561	0	0	1,121	0	6,167	3,363
Centers for Disease Control & Prevention	95,537	95,537	0	0	0	0	0	0	0
Food & Drug Administration	15,000	15,000	0	0	0	0	0	0	0
Health Care Financing Admin	6,141	6,141	0	0	0	0	0	0	0
Health Resources & Services Admin	8,260	8,260	0	0	0	0	0	0	0
National Institutes of Health	8,866,049	7,891,673	355,528	133,878	23,937	27,485	66,494	75,360	291,694
Office of the Secretary, total	5,511	0	0	0	0	0	0	5,511	0
Office of the Asst Secretary, Planning & Evaluation	5,511	0	0	0	0	0	0	5,511	0
Other agencies									
National Aeronautics & Space Admin	744,694	56,813	7,343	324,377	195,334	29,989	101,153	325	29,360
National Science Foundation	2,199,522	386,442	4,476	462,769	353,627	384,512	406,947	102,560	98,189

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-59. Preliminary Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	15,201,869	9,687,595	402,461	1,499,811	809,285	829,000	1,229,523	279,650	464,544
Departments:									
Department of Agriculture, total	495,417	407,651	0	21,994	1,886	484	15,730	47,672	0
Agricultural Research Service	31,036	28,001	0	2,355	158	65	457	0	0
Cooperative State Research, Education, & Extension Service	438,003	363,082	0	19,489	1,140	0	14,928	39,364	0
Economic Research Service	3,500	0	0	0	0	0	0	3,500	0
Foreign Agricultural Service	646	646	0	0	0	0	0	0	0
Forest Service	19,927	15,922	0	150	588	114	345	2,808	0
Nat'l Agricultural Statistics Svc	305	0	0	0	0	305	0	0	0
Rural Business-Cooperative Svc	2,000	0	0	0	0	0	0	2,000	0
Department of Defense, total	1,116,561	145,036	13,395	99,500	94,769	282,772	473,574	1,698	5,817
Department of the Air Force	106,512	13,153	220	18,239	0	26,761	44,139	0	4,000
Department of the Army	81,198	22,764	1,402	11,602	3,831	8,044	33,555	0	0
Department of the Navy	269,078	30,579	0	29,655	77,626	18,434	112,784	0	0
Defense Agencies, total	659,773	78,540	11,773	40,004	13,312	229,533	283,096	1,698	1,817
Ballistic Missile Defense Org	3,612	0	0	2,227	0	0	1,385	0	0
Defense Adv Rsch Projects Agcy	347,615	32,745	0	0	0	193,515	119,982	0	1,373
Defense Threat Reduction Agency	563	0	0	0	0	0	190	0	373
Special Operations Command	1,331	0	0	0	0	0	1,260	0	71
Washington Headquarters Svcs	306,652	45,795	11,773	37,777	13,312	36,018	160,279	1,698	0
Department of Energy	622,841	90,820	0	358,005	67,616	25,371	81,029	0	0
Dept of Health & Human Svcs, total	9,588,253	8,524,369	376,507	141,512	25,302	30,462	70,286	107,256	312,559
Administration on Aging	900	0	0	0	0	0	0	900	0
Admin for Children & Families	13,333	0	0	0	0	0	0	13,333	0
Agency for Healthcare Research and Quality [1]	70,500	56,400	705	0	0	1,410	0	7,755	4,230
Centers for Disease Control & Prevention	95,537	95,537	0	0	0	0	0	0	0
Food & Drug Administration	17,000	17,000	0	0	0	0	0	0	0
Health Care Financing Admin	5,461	5,461	0	0	0	0	0	0	0
Health Resources & Services Admin	8,260	8,260	0	0	0	0	0	0	0
National Institutes of Health	9,371,652	8,341,711	375,802	141,512	25,302	29,052	70,286	79,658	308,329
Office of the Secretary, total	5,610	0	0	0	0	0	0	5,610	0
Office of the Asst Secretary, Planning & Evaluation	5,610	0	0	0	0	0	0	5,610	0
Other agencies									
National Aeronautics & Space Admin	744,694	56,813	7,193	324,384	195,776	29,112	102,615	325	28,476
National Science Foundation	2,634,103	462,906	5,366	554,416	423,936	460,799	486,289	122,699	117,692

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-60. Federal obligations for research performed at universities and colleges in psychology and life sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	325,569	14,246	11,855	299,468	8,091,094	4,288,328	194,666	202,748	3,141,633	263,719
Departments:										
Department of Agriculture, total	0	0	0	0	393,010	94,866	87,885	202,195	8,064	0
Agricultural Marketing Service	0	0	0	0	286	0	0	286	0	0
Agricultural Research Service	0	0	0	0	37,559	2,079	5,432	29,475	573	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	338,597	81,568	77,762	171,776	7,491	0
Foreign Agricultural Service	0	0	0	0	646	0	0	646	0	0
Forest Service	0	0	0	0	15,922	11,219	4,691	12	0	0
Department of Defense, total	3,387	2,292	0	1,095	154,839	62,338	8,057	0	69,408	15,036
Department of the Air Force	201	0	0	201	8,188	4,503	50	0	3,635	0
Department of the Army	894	0	0	894	28,888	1,807	0	0	27,039	42
Department of the Navy	0	0	0	0	27,581	4,247	3,763	0	4,577	14,994
Defense Agencies, total	2,292	2,292	0	0	90,182	51,781	4,244	0	34,157	0
Defense Adv Rsch Projects Agcy	0	0	0	0	37,399	36,486	0	0	913	0
Washington Headquarters Svcs	2,292	2,292	0	0	52,783	15,295	4,244	0	33,244	0
Department of Energy	0	0	0	0	74,381	51,251	0	0	22,991	139
Dept of Health & Human Svcs, total	310,483	11,888	5,093	293,502	7,046,986	3,788,485	0	0	3,035,755	222,746
Agency for Healthcare Research and Quality[1]	382	0	25	357	40,459	0	0	0	40,000	459
Centers for Disease Control & Prevention	0	0	0	0	95,537	0	0	0	95,537	0
Food & Drug Administration	0	0	0	0	14,590	14,590	0	0	0	0
Health Care Financing Admin	0	0	0	0	5,044	0	0	0	0	5,044
Health Resources & Services Admin	0	0	0	0	8,019	0	0	0	8,019	0
National Institutes of Health	310,101	11,888	5,068	293,145	6,883,337	3,773,895	0	0	2,892,199	217,243
Other agencies:										
National Aeronautics & Space Admin	7,461	66	2,524	4,871	56,813	23,751	1,296	553	5,415	25,798
National Science Foundation	4,238	0	4,238	0	365,065	267,637	97,428	0	0	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-61. Federal obligations for research performed at universities and colleges in physical and environmental sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,322,760	196,996	380,705	628,655	116,404	696,105	202,584	143,948	240,596	108,977
Departments										
Department of Agriculture, total	22,471	0	22,316	155	0	1,889	1,731	158	0	0
Agricultural Research Service	3,261	0	3,106	155	0	211	205	6	0	0
Cooperative State Research, Education, & Extension Service	19,060	0	19,060	0	0	1,090	1,090	0	0	0
Forest Service	150	0	150	0	0	588	436	152	0	0
Department of Defense, total	103,477	2,117	36,606	58,948	5,806	87,671	13,863	2,431	69,332	2,045
Department of the Air Force	24,483	0	11,875	12,532	76	0	0	0	0	0
Department of the Army	9,422	0	4,521	4,431	470	8,522	6,731	906	0	885
Department of the Navy	26,501	0	8,944	12,297	5,260	68,970	4,870	0	62,940	1,160
Defense Agencies, total	43,071	2,117	11,266	29,688	0	10,179	2,262	1,525	6,392	0
Ballistic Missile Defense Org	4,592	0	627	3,965	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	9,712	0	0	9,712	0	0	0	0	0	0
Washington Headquarters Svcs	28,767	2,117	10,639	16,011	0	10,179	2,262	1,525	6,392	0
Department of Energy	330,919	0	51,205	279,249	465	67,964	21,165	28,064	2,905	15,830
Dept of Health & Human Svcs, total	116,772	0	112,769	4,003	0	20,879	0	0	0	20,879
National Institutes of Health	116,772	0	112,769	4,003	0	20,879	0	0	0	20,879
Other agencies										
National Aeronautics & Space Admin	311,759	154,015	15,426	117,193	25,125	182,833	91,177	24,300	8,491	58,865
National Science Foundation	437,362	40,864	142,383	169,107	85,008	334,869	74,648	88,995	159,868	11,358

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-62. Federal obligations for research performed at universities and colleges in engineering, by selected agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	1,046,107	72,452	40,957	74,586	44,815	192,238	77,957	241,172	301,930
Departments									
Department of Agriculture, total	16,335	0	0	353	86	28	76	0	15,792
Agricultural Research Service	612	0	0	318	86	28	76	0	104
Cooperative State Research, Education, & Extension Service	15,378	0	0	0	0	0	0	0	15,378
Forest Service	345	0	0	35	0	0	0	0	310
Department of Defense, total	397,292	32,783	1,415	12,908	1,668	134,471	51,488	97,678	64,881
Department of the Air Force	51,097	20,726	70	0	126	7,820	9,956	11,853	546
Department of the Army	30,523	1,591	2	1,150	1,411	11,985	5,457	6,559	2,368
Department of the Navy	102,694	4,727	786	0	0	32,971	13,150	16,991	34,069
Defense Agencies, total	212,978	5,739	557	11,758	131	81,695	22,925	62,275	27,898
Ballistic Missile Defense Org	2,091	0	340	0	0	0	0	876	875
Defense Adv Rsch Projects Agcy	85,744	5,241	103	424	0	29,610	0	25,267	25,099
Defense Threat Reduction Agency	180	0	0	0	0	0	0	0	180
Special Operations Command	1,744	0	0	0	0	0	0	0	1,744
Washington Headquarters Svcs	123,219	498	114	11,334	131	52,085	22,925	36,132	0
Department of Energy	68,135	0	0	18,610	4,752	3,056	9,261	16,030	16,426
Dept of Health & Human Svcs, total	57,998	0	0	0	0	0	0	0	57,998
National Institutes of Health	57,998	0	0	0	0	0	0	0	57,998
Other agencies									
National Aeronautics & Space Admin	124,716	39,669	39,542	1,717	118	8,756	10,130	15,821	8,963
National Science Foundation	381,631	0	0	40,998	38,191	45,927	7,002	111,643	137,870

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-63. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	662,983	131,264	506,284	25,435	231,398	11,031	52,305	5,325	14,472	148,265
Departments:										
Department of Agriculture, total	316	316	0	0	47,526	0	38,098	0	9,428	0
Agricultural Research Service	49	49	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	40,430	0	31,525	0	8,905	0
Economic Research Service	0	0	0	0	3,508	0	3,508	0	0	0
Forest Service	114	114	0	0	2,808	0	2,285	0	523	0
Nat'l Agricultural Statistics Svc	153	153	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	780	0	780	0	0	0
Department of Defense, total	225,926	18,673	187,065	20,188	0	0	0	0	0	0
Department of the Air Force	20,564	132	629	19,803	0	0	0	0	0	0
Department of the Army	7,166	2,229	4,732	205	0	0	0	0	0	0
Department of the Navy	16,600	5,149	11,271	180	0	0	0	0	0	0
Defense Agencies, total	181,596	11,163	170,433	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	157,494	5,323	152,171	0	0	0	0	0	0	0
Washington Headquarters Svcs	24,102	5,840	18,262	0	0	0	0	0	0	0
Department of Energy	17,500	14,304	3,196	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	24,826	11,803	13,023	0	87,028	0	963	0	1,003	85,062
Administration on Aging	0	0	0	0	1,071	0	0	0	0	1,071
Admin for Children & Families	0	0	0	0	9,969	0	0	0	0	9,969
Agency for Healthcare Research and Quality[1]	853	296	557	0	5,701	0	963	0	1,003	3,735
National Institutes of Health	23,973	11,507	12,466	0	65,731	0	0	0	0	65,731
Office of the Secretary, total	0	0	0	0	4,556	0	0	0	0	4,556
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	4,556	0	0	0	0	4,556
Other agencies:										
National Aeronautics & Space Admin	30,686	1,193	24,246	5,247	325	0	0	0	187	138
National Science Foundation	363,729	84,975	278,754	0	96,519	11,031	13,244	5,325	3,854	63,065

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-64. Federal obligations for basic research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	9,062,924	9,996,800	10,851,583
Life sciences, total	5,416,336	6,137,448	6,513,182
Biological (excluding environmental)	2,997,526	NA	NA
Environmental biology	126,467	NA	NA
Agricultural	97,552	NA	NA
Medical	2,017,596	NA	NA
Life sciences, n.e.c.	177,195	NA	NA
Psychology, total	223,810	265,424	278,081
Biological aspects	10,357	NA	NA
Social aspects	8,090	NA	NA
Psychological sciences, n.e.c.	205,363	NA	NA
Physical sciences, total	1,124,000	1,186,364	1,297,155
Astronomy	172,549	NA	NA
Chemistry	309,749	NA	NA
Physics	538,582	NA	NA
Physical sciences, n.e.c.	103,120	NA	NA
Environmental sciences, total	652,883	682,812	766,221
Atmospheric	187,975	NA	NA
Geological	143,181	NA	NA
Oceanography	232,612	NA	NA
Environmental sciences, n.e.c.	89,115	NA	NA
Mathematics & computer sciences, total	483,989	504,503	610,405
Mathematics	121,495	NA	NA
Computer sciences	337,917	NA	NA
Mathematics & computer sciences, n.e.c.	24,577	NA	NA
Engineering, total	725,167	747,410	858,254
Aeronautical	45,496	NA	NA
Astronautical	28,370	NA	NA
Chemical	44,400	NA	NA
Civil	32,100	NA	NA
Electrical	138,332	NA	NA
Mechanical	70,020	NA	NA
Metallurgy & materials	204,861	NA	NA
Engineering, n.e.c.	161,588	NA	NA
Social sciences, total	141,317	153,624	175,198
Anthropology	10,775	NA	NA
Economics	18,231	NA	NA
Political science	4,762	NA	NA
Sociology	5,470	NA	NA
Social sciences, n.e.c.	102,079	NA	NA
Other sciences, n.e.c.	295,422	319,215	353,087

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal years 1999, 2000, and 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY:

NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-65. Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	9,062,924	5,416,336	223,810	1,124,000	652,883	483,989	725,167	141,317	295,422
Departments:									
Department of Agriculture, total	204,892	181,379	0	9,115	1,087	43	3,769	9,499	0
Agricultural Research Service	24,740	22,729	0	1,648	109	31	223	0	0
Cooperative State Research, Education, & Extension Service	174,113	153,430	0	7,317	548	0	3,526	9,292	0
Foreign Agricultural Service	291	291	0	0	0	0	0	0	0
Forest Service	5,748	4,929	0	150	430	12	20	207	0
Department of Defense, total	560,067	75,009	3,216	84,994	71,609	70,388	248,818	0	6,033
Department of the Air Force	92,400	8,138	30	22,137	0	19,709	36,353	0	6,033
Department of the Army	44,118	4,896	894	9,050	2,111	6,010	21,157	0	0
Department of the Navy	175,055	22,800	0	25,821	59,319	14,158	52,957	0	0
Defense Agencies, total	248,494	39,175	2,292	27,986	10,179	30,511	138,351	0	0
Defense Adv Rsch Projects Agcy	27,181	3,411	0	0	0	6,409	17,361	0	0
Washington Headquarters Svcs	221,313	35,764	2,292	27,986	10,179	24,102	120,990	0	0
Department of Energy	473,789	51,390	0	314,893	64,044	17,500	25,944	0	18
Dept of Health & Human Svcs, total	5,299,827	4,717,378	212,523	80,028	14,309	16,429	39,748	45,048	174,364
National Institutes of Health	5,299,827	4,717,378	212,523	80,028	14,309	16,429	39,748	45,048	174,364
Other agencies:									
National Aeronautics & Space Admin	557,451	40,962	3,833	212,186	167,105	22,515	87,826	325	22,699
National Science Foundation	1,966,898	350,218	4,238	422,784	334,729	357,114	319,062	86,445	92,308

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-66. Preliminary Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	9,996,800	6,137,448	265,424	1,186,364	682,812	504,503	747,410	153,624	319,215
Departments:									
Department of Agriculture, total	243,346	217,749	0	10,193	1,114	57	4,071	10,162	0
Agricultural Research Service	29,474	27,125	0	1,908	116	45	280	0	0
Cooperative State Research, Education, & Extension Service	207,833	185,404	0	8,135	568	0	3,771	9,955	0
Foreign Agricultural Service	291	291	0	0	0	0	0	0	0
Forest Service	5,748	4,929	0	150	430	12	20	207	0
Department of Defense, total	588,919	65,498	14,260	85,878	72,725	76,169	273,644	350	395
Department of the Air Force	93,427	8,320	102	18,788	0	21,801	44,021	0	395
Department of the Army	58,925	5,783	1,303	11,796	2,424	8,335	29,284	0	0
Department of the Navy	174,378	22,712	0	25,721	59,090	14,103	52,752	0	0
Defense Agencies, total	262,189	28,683	12,855	29,573	11,211	31,930	147,587	350	0
Defense Adv Rsch Projects Agcy	37,200	3,337	0	0	0	8,988	24,875	0	0
Washington Headquarters Svcs	224,989	25,346	12,855	29,573	11,211	22,942	122,712	350	0
Department of Energy	470,896	50,148	0	327,540	59,538	10,567	23,103	0	0
Dept of Health & Human Svcs, total	6,059,165	5,393,265	242,973	91,494	16,359	18,783	45,443	51,502	199,346
National Institutes of Health	6,059,165	5,393,265	242,973	91,494	16,359	18,783	45,443	51,502	199,346
Other agencies:									
National Aeronautics & Space Admin	557,451	40,962	3,715	224,804	179,606	21,818	64,224	325	21,997
National Science Foundation	2,077,023	369,826	4,476	446,455	353,470	377,109	336,925	91,285	97,477

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-67. Preliminary Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c
Total, all agencies	10,851,583	6,513,182	278,081	1,297,155	766,221	610,405	858,254	175,198	353,087
Departments:									
Department of Agriculture, total	208,417	185,745	0	8,753	1,079	51	3,594	9,195	0
Agricultural Research Service	18,417	16,949	0	1,173	80	39	176	0	0
Cooperative State Research, Education, & Extension Service	183,961	163,576	0	7,430	569	0	3,398	8,988	0
Foreign Agricultural Service	291	291	0	0	0	0	0	0	0
Forest Service	5,748	4,929	0	150	430	12	20	207	0
Department of Defense, total	657,212	66,990	11,829	91,741	80,771	92,060	308,123	1,698	4,000
Department of the Air Force	89,902	13,091	100	16,100	0	26,000	30,611	0	4,000
Department of the Army	54,333	5,742	1,402	11,129	2,418	7,134	26,508	0	0
Department of the Navy	196,207	25,555	0	28,941	66,487	15,869	59,355	0	0
Defense Agencies, total	316,770	22,602	10,327	35,571	11,866	43,057	191,649	1,698	0
Defense Adv Rsch Projects Agcy	47,087	0	0	0	0	11,377	35,710	0	0
Washington Headquarters Svcs	269,683	22,602	10,327	35,571	11,866	31,680	155,939	1,698	0
Department of Energy	521,509	64,356	0	339,728	63,246	25,371	28,808	0	0
Dept of Health & Human Svcs, total	6,416,995	5,711,770	257,321	96,897	17,325	19,892	48,127	54,544	211,119
National Institutes of Health	6,416,995	5,711,770	257,321	96,897	17,325	19,892	48,127	54,544	211,119
Other agencies:									
National Aeronautics & Space Admin	557,451	40,962	3,565	224,811	180,048	20,941	65,686	325	21,113
National Science Foundation	2,489,999	443,359	5,366	535,225	423,752	452,090	403,916	109,436	116,855

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-68. Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological (excl environ)	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	223,810	10,357	8,090	205,363	5,416,336	2,997,526	126,467	97,552	2,017,596	177,195
Departments										
Department of Agriculture, total	0	0	0	0	181,379	49,652	30,684	96,999	4,044	0
Agricultural Research Service	0	0	0	0	22,729	1,601	3,084	17,641	403	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	153,430	45,155	25,567	79,067	3,641	0
Foreign Agricultural Service	0	0	0	0	291	0	0	291	0	0
Forest Service	0	0	0	0	4,929	2,896	2,033	0	0	0
Department of Defense, total	3,216	2,292	0	924	75,009	27,958	8,007	0	27,494	11,550
Department of the Air Force	30	0	0	30	8,138	4,503	0	0	3,635	0
Department of the Army	894	0	0	894	4,896	1,599	0	0	3,255	42
Department of the Navy	0	0	0	0	22,800	3,749	3,763	0	3,780	11,508
Defense Agencies, total	2,292	2,292	0	0	39,175	18,107	4,244	0	16,824	0
Defense Adv Rsch Projects Agcy	0	0	0	0	3,411	3,411	0	0	0	0
Washington Headquarters Svcs	2,292	2,292	0	0	35,764	14,696	4,244	0	16,824	0
Department of Energy	0	0	0	0	51,390	51,251	0	0	0	139
Dept of Health & Human Svcs, total	212,523	7,999	3,402	201,122	4,717,378	2,586,374	0	0	1,982,119	148,885
National Institutes of Health	212,523	7,999	3,402	201,122	4,717,378	2,586,374	0	0	1,982,119	148,885
Other agencies										
National Aeronautics & Space Admin	3,833	66	450	3,317	40,962	18,764	1,085	553	3,939	16,621
National Science Foundation	4,238	0	4,238	0	350,218	263,527	86,691	0	0	0

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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Table C-69. Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,124,000	172,549	309,749	538,582	103,120	652,883	187,975	143,181	232,612	89,115
Departments:										
Department of Agriculture, total	9,115	0	9,039	76	0	1,087	1,059	28	0	0
Agricultural Research Service	1,648	0	1,572	76	0	109	107	2	0	0
Cooperative State Research, Education, & Extension Service	7,317	0	7,317	0	0	548	548	0	0	0
Forest Service	150	0	150	0	0	430	404	26	0	0
Department of Defense, total	84,994	2,117	34,796	43,031	5,050	71,609	7,340	2,431	61,612	226
Department of the Air Force	22,137	0	11,812	10,325	0	0	0	0	0	0
Department of the Army	9,050	0	4,182	4,398	470	2,111	979	906	0	226
Department of the Navy	25,821	0	8,944	12,297	4,580	59,319	4,099	0	55,220	0
Defense Agencies, total	27,986	2,117	9,858	16,011	0	10,179	2,262	1,525	6,392	0
Washington Headquarters Svcs	27,986	2,117	9,858	16,011	0	10,179	2,262	1,525	6,392	0
Department of Energy	314,893	0	46,494	268,399	0	64,044	21,165	28,064	2,905	11,910
Dept of Health & Human Svcs, total	80,028	0	77,285	2,743	0	14,309	0	0	0	14,309
National Institutes of Health	80,028	0	77,285	2,743	0	14,309	0	0	0	14,309
Other agencies:										
National Aeronautics & Space Admin	212,186	129,568	7,214	58,113	17,291	167,105	83,765	23,696	8,332	51,312
National Science Foundation	422,784	40,864	134,921	166,220	80,779	334,729	74,646	88,962	159,763	11,358

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-70. Federal obligations for basic research performed at universities and colleges in engineering, by selected agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	725,167	45,496	28,370	44,400	32,100	138,332	70,020	204,861	161,588
Departments:									
Department of Agriculture, total	3,769	0	0	112	34	19	26	0	3,578
Agricultural Research Service	223	0	0	112	34	19	26	0	32
Cooperative State Research, Education, & Extension Service	3,526	0	0	0	0	0	0	0	3,526
Forest Service	20	0	0	0	0	0	0	0	20
Department of Defense, total	248,818	14,693	114	10,014	1,096	94,897	46,459	66,882	14,663
Department of the Air Force	36,353	11,136	0	0	0	5,148	9,836	10,233	0
Department of the Army	21,157	1,545	0	909	965	7,979	3,607	6,152	0
Department of the Navy	52,957	1,514	0	0	0	18,911	10,091	12,267	10,174
Defense Agencies, total	138,351	498	114	9,105	131	62,859	22,925	38,230	4,489
Defense Adv Rsch Projects Agcy	17,361	0	0	0	0	10,774	0	2,098	4,489
Washington Headquarters Svcs	120,990	498	114	9,105	131	52,085	22,925	36,132	0
Department of Energy	25,944	0	0	0	0	0	9,234	15,753	957
Dept of Health & Human Svcs, total	39,748	0	0	0	0	0	0	0	39,748
National Institutes of Health	39,748	0	0	0	0	0	0	0	39,748
Other agencies:									
National Aeronautics & Space Admin	87,826	30,803	28,256	1,495	91	5,968	8,252	12,961	0
National Science Foundation	319,062	0	0	32,779	30,879	37,448	6,049	109,265	102,642

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-71. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	483,989	121,495	337,917	24,577	141,317	10,775	18,231	4,762	5,470	102,079
Departments										
Department of Agriculture, total	43	43	0	0	9,499	0	7,266	0	2,233	0
Agricultural Research Service	31	31	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	9,292	0	7,171	0	2,121	0
Forest Service	12	12	0	0	207	0	95	0	112	0
Department of Defense, total	70,388	13,151	37,267	19,970	0	0	0	0	0	0
Department of the Air Force	19,709	0	0	19,709	0	0	0	0	0	0
Department of the Army	6,010	2,162	3,767	81	0	0	0	0	0	0
Department of the Navy	14,158	5,149	8,829	180	0	0	0	0	0	0
Defense Agencies, total	30,511	5,840	24,671	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	6,409	0	6,409	0	0	0	0	0	0	0
Washington Headquarters Svcs	24,102	5,840	18,262	0	0	0	0	0	0	0
Department of Energy	17,500	14,304	3,196	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	16,429	7,886	8,543	0	45,048	0	0	0	0	45,048
National Institutes of Health	16,429	7,886	8,543	0	45,048	0	0	0	0	45,048
Other agencies										
National Aeronautics & Space Admin	22,515	1,145	16,763	4,607	325	0	0	0	187	138
National Science Foundation	357,114	84,966	272,148	0	86,445	10,775	10,965	4,762	3,050	56,893

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-72. Federal obligations for applied research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 1999, 2000, and 2001

[Dollars in thousands]

Field of science and engineering	1999	Preliminary	
		2000	2001
Total, all fields	3,713,143	4,222,401	4,350,286
Life sciences, total	2,674,758	3,094,937	3,174,413
Biological (excluding environmental)	1,290,802	NA	NA
Environmental biology	68,199	NA	NA
Agricultural	105,196	NA	NA
Medical	1,124,037	NA	NA
Life sciences, n.e.c.	86,524	NA	NA
Psychology, total	101,759	118,262	124,380
Biological aspects	3,889	NA	NA
Social aspects	3,765	NA	NA
Psychological sciences, n.e.c.	94,105	NA	NA
Physical sciences, total	198,760	206,838	202,656
Astronomy	24,447	NA	NA
Chemistry	70,956	NA	NA
Physics	90,073	NA	NA
Physical sciences, n.e.c.	13,284	NA	NA
Environmental sciences, total	43,222	45,227	43,064
Atmospheric	14,609	NA	NA
Geological	767	NA	NA
Oceanography	7,984	NA	NA
Environmental sciences, n.e.c.	19,862	NA	NA
Mathematics & computer sciences, total	178,994	197,987	218,595
Mathematics	9,769	NA	NA
Computer sciences	168,367	NA	NA
Mathematics & computer sciences, n.e.c.	858	NA	NA
Engineering, total	320,940	349,277	371,269
Aeronautical	26,956	NA	NA
Astronautical	12,587	NA	NA
Chemical	30,186	NA	NA
Civil	12,715	NA	NA
Electrical	53,906	NA	NA
Mechanical	7,937	NA	NA
Metallurgy & materials	36,311	NA	NA
Engineering, n.e.c.	140,342	NA	NA
Social sciences, total	90,081	104,174	104,452
Anthropology	256	NA	NA
Economics	34,074	NA	NA
Political science	563	NA	NA
Sociology	9,002	NA	NA
Social sciences, n.e.c.	46,186	NA	NA
Other sciences, n.e.c.	104,629	105,699	111,457

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal years 1999, 2000, and 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

KEY:
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-73. Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	3,713,143	2,674,758	101,759	198,760	43,222	178,994	320,940	90,081	104,629
Departments:									
Department of Agriculture, total	276,655	211,631	0	13,356	802	273	12,566	38,027	0
Agricultural Marketing Service	286	286	0	0	0	0	0	0	0
Agricultural Research Service	16,952	14,830	0	1,613	102	18	389	0	0
Cooperative State Research, Education, & Extension Service	240,442	185,167	0	11,743	542	0	11,852	31,138	0
Economic Research Service	3,508	0	0	0	0	0	0	3,508	0
Foreign Agricultural Service	355	355	0	0	0	0	0	0	0
Forest Service	14,179	10,993	0	0	158	102	325	2,601	0
Nat'l Agricultural Statistics Svc	153	0	0	0	0	153	0	0	0
Rural Business-Cooperative Svc	780	0	0	0	0	0	0	780	0
Department of Defense, total	428,896	79,830	171	18,483	16,062	155,538	148,474	0	10,338
Department of the Air Force	18,166	50	171	2,346	0	855	14,744	0	0
Department of the Army	41,297	23,992	0	372	6,411	1,156	9,366	0	0
Department of the Navy	67,291	4,781	0	680	9,651	2,442	49,737	0	0
Defense Agencies, total	302,142	51,007	0	15,085	0	151,085	74,627	0	10,338
Ballistic Missile Defense Org	7,341	0	0	4,592	0	0	2,091	0	658
Defense Adv Rsch Projects Agcy	272,144	33,988	0	9,712	0	151,085	68,383	0	8,976
Defense Threat Reduction Agency	782	0	0	0	0	0	180	0	602
Special Operations Command	1,846	0	0	0	0	0	1,744	0	102
Washington Headquarters Svcs	20,029	17,019	0	781	0	0	2,229	0	0
Department of Energy	88,096	22,991	0	16,026	3,920	0	42,191	0	2,968
Dept of Health & Human Svcs, total	2,622,795	2,329,608	97,960	36,744	6,570	8,397	18,250	41,980	83,286
Administration on Aging	1,071	0	0	0	0	0	0	1,071	0
Admin for Children & Families	9,969	0	0	0	0	0	0	9,969	0
Agency for Healthcare Research and Quality[1]	50,621	40,459	382	0	0	853	0	5,701	3,226
Centers for Disease Control & Prevention	95,537	95,537	0	0	0	0	0	0	0
Food & Drug Administration	14,590	14,590	0	0	0	0	0	0	0
Health Care Financing Admin	5,044	5,044	0	0	0	0	0	0	0
Health Resources & Services Admin	8,019	8,019	0	0	0	0	0	0	0
National Institutes of Health	2,433,388	2,165,959	97,578	36,744	6,570	7,544	18,250	20,683	80,060
Office of the Secretary, total	4,556	0	0	0	0	0	0	4,556	0
Office of the Asst Secretary, Planning & Evaluation	4,556	0	0	0	0	0	0	4,556	0
Other agencies:									
National Aeronautics & Space Admin	187,243	15,851	3,628	99,573	15,728	8,171	36,890	0	7,402
National Science Foundation	109,458	14,847	0	14,578	140	6,615	62,569	10,074	635

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-74. Preliminary Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2000

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	4,222,401	3,094,937	118,262	206,838	45,227	197,987	349,277	104,174	105,699
Departments:									
Department of Agriculture, total	329,349	255,451	0	15,240	849	436	13,646	43,727	0
Agricultural Research Service	20,195	17,621	0	1,958	118	29	469	0	0
Cooperative State Research, Education, & Extension Service	287,006	226,482	0	13,282	573	0	12,852	33,817	0
Economic Research Service	7,009	0	0	0	0	0	0	7,009	0
Foreign Agricultural Service	355	355	0	0	0	0	0	0	0
Forest Service	14,179	10,993	0	0	158	102	325	2,601	0
Nat'l Agricultural Statistics Svc	305	0	0	0	0	305	0	0	0
Rural Business-Cooperative Svc	300	0	0	0	0	0	0	300	0
Department of Defense, total	475,175	104,361	1,518	15,563	16,722	172,154	162,944	0	1,913
Department of the Air Force	16,900	50	178	2,342	0	982	13,114	0	234
Department of the Army	62,817	43,533	0	355	3,265	1,131	14,533	0	0
Department of the Navy	79,852	5,508	0	783	12,117	2,812	58,632	0	0
Defense Agencies, total	315,606	55,270	1,340	12,083	1,340	167,229	76,665	0	1,679
Ballistic Missile Defense Org	5,919	0	0	3,569	0	300	2,050	0	0
Defense Adv Rsch Projects Agcy	268,814	29,290	0	6,176	0	162,917	69,203	0	1,228
Defense Threat Reduction Agency	541	0	0	0	0	0	150	0	391
Special Operations Command	1,310	0	0	0	0	0	1,250	0	60
Washington Headquarters Svcs	39,022	25,980	1,340	2,338	1,340	4,012	4,012	0	0
Department of Energy	101,105	34,463	0	17,764	4,193	0	44,685	0	0
Dept of Health & Human Svcs, total	3,007,030	2,668,195	113,116	42,384	7,578	9,823	21,051	49,172	95,711
Administration on Aging	900	0	0	0	0	0	0	900	0
Admin for Children & Families	12,736	0	0	0	0	0	0	12,736	0
Agency for Healthcare Research and Quality[1]	56,061	44,849	561	0	0	1,121	0	6,167	3,363
Centers for Disease Control & Prevention	95,537	95,537	0	0	0	0	0	0	0
Food & Drug Administration	15,000	15,000	0	0	0	0	0	0	0
Health Care Financing Admin	6,141	6,141	0	0	0	0	0	0	0
Health Resources & Services Admin	8,260	8,260	0	0	0	0	0	0	0
National Institutes of Health	2,806,884	2,498,408	112,555	42,384	7,578	8,702	21,051	23,858	92,348
Office of the Secretary, total	5,511	0	0	0	0	0	0	5,511	0
Office of the Asst Secretary, Planning & Evaluation	5,511	0	0	0	0	0	0	5,511	0
Other agencies:									
National Aeronautics & Space Admin	187,243	15,851	3,628	99,573	15,728	8,171	36,929	0	7,363
National Science Foundation	122,499	16,616	0	16,314	157	7,403	70,022	11,275	712

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 2000.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-75. Preliminary Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: fiscal year 2001

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	4,350,286	3,174,413	124,380	202,656	43,064	218,595	371,269	104,452	111,457
Departments:									
Department of Agriculture, total	287,000	221,906	0	13,241	807	433	12,136	38,477	0
Agricultural Research Service	12,619	11,052	0	1,182	78	26	281	0	0
Cooperative State Research, Education, & Extension Service	254,042	199,506	0	12,059	571	0	11,530	30,376	0
Economic Research Service	3,500	0	0	0	0	0	0	3,500	0
Foreign Agricultural Service	355	355	0	0	0	0	0	0	0
Forest Service	14,179	10,993	0	0	158	102	325	2,601	0
Nat'l Agricultural Statistics Svc	305	0	0	0	0	305	0	0	0
Rural Business-Cooperative Svc	2,000	0	0	0	0	0	0	2,000	0
Department of Defense, total	459,349	78,046	1,566	7,759	13,998	190,712	165,451	0	1,817
Department of the Air Force	16,610	62	120	2,139	0	761	13,528	0	0
Department of the Army	26,865	17,022	0	473	1,413	910	7,047	0	0
Department of the Navy	72,871	5,024	0	714	11,139	2,565	53,429	0	0
Defense Agencies, total	343,003	55,938	1,446	4,433	1,446	186,476	91,447	0	1,817
Ballistic Missile Defense Org	3,612	0	0	2,227	0	0	1,385	0	0
Defense Adv Rsch Projects Agcy	300,528	32,745	0	0	0	182,138	84,272	0	1,373
Defense Threat Reduction Agency	563	0	0	0	0	0	190	0	373
Special Operations Command	1,331	0	0	0	0	0	1,260	0	71
Washington Headquarters Svcs	36,969	23,193	1,446	2,206	1,446	4,338	4,340	0	0
Department of Energy	101,332	26,464	0	18,277	4,370	0	52,221	0	0
Dept of Health & Human Svcs, total	3,171,258	2,812,599	119,186	44,615	7,977	10,570	22,159	52,712	101,440
Administration on Aging	900	0	0	0	0	0	0	900	0
Admin for Children & Families	13,333	0	0	0	0	0	0	13,333	0
Agency for Healthcare Research and Quality[1]	70,500	56,400	705	0	0	1,410	0	7,755	4,230
Centers for Disease Control & Prevention	95,537	95,537	0	0	0	0	0	0	0
Food & Drug Administration	17,000	17,000	0	0	0	0	0	0	0
Health Care Financing Admin	5,461	5,461	0	0	0	0	0	0	0
Health Resources & Services Admin	8,260	8,260	0	0	0	0	0	0	0
National Institutes of Health	2,954,657	2,629,941	118,481	44,615	7,977	9,160	22,159	25,114	97,210
Office of the Secretary, total	5,610	0	0	0	0	0	0	5,610	0
Office of the Asst Secretary, Planning & Evaluation	5,610	0	0	0	0	0	0	5,610	0
Other agencies:									
National Aeronautics & Space Admin	187,243	15,851	3,628	99,573	15,728	8,171	36,929	0	7,363
National Science Foundation	144,104	19,547	0	19,191	184	8,709	82,373	13,263	837

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 2001.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-76. Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical (excl environ)	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	101,759	3,889	3,765	94,105	2,674,758	1,290,802	68,199	105,196	1,124,037	86,524
Departments:										
Department of Agriculture, total	0	0	0	0	211,631	45,214	57,201	105,196	4,020	0
Agricultural Marketing Service	0	0	0	0	286	0	0	286	0	0
Agricultural Research Service	0	0	0	0	14,830	478	2,348	11,834	170	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	185,167	36,413	52,195	92,709	3,850	0
Foreign Agricultural Service	0	0	0	0	355	0	0	355	0	0
Forest Service	0	0	0	0	10,993	8,323	2,658	12	0	0
Department of Defense, total	171	0	0	171	79,830	34,380	50	0	41,914	3,486
Department of the Air Force	171	0	0	171	50	0	50	0	0	0
Department of the Army	0	0	0	0	23,992	208	0	0	23,784	0
Department of the Navy	0	0	0	0	4,781	498	0	0	797	3,486
Defense Agencies, total	0	0	0	0	51,007	33,674	0	0	17,333	0
Defense Adv Rsch Projects Agcy	0	0	0	0	33,988	33,075	0	0	913	0
Washington Headquarters Svcs	0	0	0	0	17,019	599	0	0	16,420	0
Department of Energy	0	0	0	0	22,991	0	0	0	22,991	0
Dept of Health & Human Svcs, total	97,960	3,889	1,691	92,380	2,329,608	1,202,111	0	0	1,053,636	73,861
Agency for Healthcare Research and Quality [1]	382	0	25	357	40,459	0	0	0	40,000	459
Centers for Disease Control & Prevention	0	0	0	0	95,537	0	0	0	95,537	0
Food & Drug Administration	0	0	0	0	14,590	14,590	0	0	0	0
Health Care Financing Admin	0	0	0	0	5,044	0	0	0	0	5,044
Health Resources & Services Admin	0	0	0	0	8,019	0	0	0	8,019	0
National Institutes of Health	97,578	3,889	1,666	92,023	2,165,959	1,187,521	0	0	910,080	68,358
Other agencies:										
National Aeronautics & Space Admin	3,628	0	2,074	1,554	15,851	4,987	211	0	1,476	9,177
National Science Foundation	0	0	0	0	14,847	4,110	10,737	0	0	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-77. Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences n.e.c.
Total, all agencies	198,760	24,447	70,956	90,073	13,284	43,222	14,609	767	7,984	19,862
Departments:										
Department of Agriculture, total	13,356	0	13,277	79	0	802	672	130	0	0
Agricultural Research Service	1,613	0	1,534	79	0	102	98	4	0	0
Cooperative State Research, Education, & Extension Service	11,743	0	11,743	0	0	542	542	0	0	0
Forest Service	0	0	0	0	0	158	32	126	0	0
Department of Defense, total	18,483	0	1,810	15,917	756	16,062	6,523	0	7,720	1,819
Department of the Air Force	2,346	0	63	2,207	76	0	0	0	0	0
Department of the Army	372	0	339	33	0	6,411	5,752	0	0	659
Department of the Navy	680	0	0	0	680	9,651	771	0	7,720	1,160
Defense Agencies, total	15,085	0	1,408	13,677	0	0	0	0	0	0
Ballistic Missile Defense Org	4,592	0	627	3,965	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	9,712	0	0	9,712	0	0	0	0	0	0
Washington Headquarters Svcs	781	0	781	0	0	0	0	0	0	0
Department of Energy	16,026	0	4,711	10,850	465	3,920	0	0	0	3,920
Dept of Health & Human Svcs, total	36,744	0	35,484	1,260	0	6,570	0	0	0	6,570
National Institutes of Health	36,744	0	35,484	1,260	0	6,570	0	0	0	6,570
Other agencies:										
National Aeronautics & Space Admin	99,573	24,447	8,212	59,080	7,834	15,728	7,412	604	159	7,553
National Science Foundation	14,578	0	7,462	2,887	4,229	140	2	33	105	0

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-78. Federal obligations for applied research performed at universities and colleges in engineering, by selected agency and detailed field of engineering: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	320,940	26,956	12,587	30,186	12,715	53,906	7,937	36,311	140,342
Departments:									
Department of Agriculture, total	12,566	0	0	241	52	9	50	0	12,214
Agricultural Research Service	389	0	0	206	52	9	50	0	72
Cooperative State Research, Education, & Extension Service	11,852	0	0	0	0	0	0	0	11,852
Forest Service	325	0	0	35	0	0	0	0	290
Department of Defense, total	148,474	18,090	1,301	2,894	572	39,574	5,029	30,796	50,218
Department of the Air Force	14,744	9,590	70	0	126	2,672	120	1,620	546
Department of the Army	9,366	46	2	241	446	4,006	1,850	407	2,368
Department of the Navy	49,737	3,213	786	0	0	14,060	3,059	4,724	23,895
Defense Agencies, total	74,627	5,241	443	2,653	0	18,836	0	24,045	23,409
Ballistic Missile Defense Org	2,091	0	340	0	0	0	0	876	875
Defense Adv Rsch Projects Agcy	68,383	5,241	103	424	0	18,836	0	23,169	20,610
Defense Threat Reduction Agency	180	0	0	0	0	0	0	0	180
Special Operations Command	1,744	0	0	0	0	0	0	0	1,744
Washington Headquarters Svcs	2,229	0	0	2,229	0	0	0	0	0
Department of Energy	42,191	0	0	18,610	4,752	3,056	27	277	15,469
Dept of Health & Human Svcs, total	18,250	0	0	0	0	0	0	0	18,250
National Institutes of Health	18,250	0	0	0	0	0	0	0	18,250
Other agencies:									
National Aeronautics & Space Admin	36,890	8,866	11,286	222	27	2,788	1,878	2,860	8,963
National Science Foundation	62,569	0	0	8,219	7,312	8,479	953	2,378	35,228

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration, and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-79. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field of science: fiscal year 1999

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	178,994	9,769	168,367	858	90,081	256	34,074	563	9,002	46,186
Departments:										
Department of Agriculture, total	273	273	0	0	38,027	0	30,832	0	7,195	0
Agricultural Research Service	18	18	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service	0	0	0	0	31,138	0	24,354	0	6,784	0
Economic Research Service	0	0	0	0	3,508	0	3,508	0	0	0
Forest Service	102	102	0	0	2,601	0	2,190	0	411	0
Nat'l Agricultural Statistics Svc	153	153	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc	0	0	0	0	780	0	780	0	0	0
Department of Defense, total	155,538	5,522	149,798	218	0	0	0	0	0	0
Department of the Air Force	855	132	629	94	0	0	0	0	0	0
Department of the Army	1,156	67	965	124	0	0	0	0	0	0
Department of the Navy	2,442	0	2,442	0	0	0	0	0	0	0
Defense Agencies, total	151,085	5,323	145,762	0	0	0	0	0	0	0
Defense Adv Rsch Projects Agcy	151,085	5,323	145,762	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	8,397	3,917	4,480	0	41,980	0	963	0	1,003	40,014
Administration on Aging	0	0	0	0	1,071	0	0	0	0	1,071
Admin for Children & Families	0	0	0	0	9,969	0	0	0	0	9,969
Agency for Healthcare Research and Quality[1]	853	296	557	0	5,701	0	963	0	1,003	3,735
National Institutes of Health	7,544	3,621	3,923	0	20,683	0	0	0	0	20,683
Office of the Secretary, total	0	0	0	0	4,556	0	0	0	0	4,556
Office of the Asst Secretary, Planning & Evaluation	0	0	0	0	4,556	0	0	0	0	4,556
Other agencies:										
National Aeronautics & Space Admin	8,171	48	7,483	640	0	0	0	0	0	0
National Science Foundation	6,615	9	6,606	0	10,074	256	2,279	563	804	6,172

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 91 percent of total Federal applied research obligations to universities and colleges in fiscal year 1999.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-80. Federal obligations for research and development to foreign performers, by region, country, and agency: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Region and country	Total	USDA	DoD	DOE	HHS	AID[1]	NASA	NSF	Other[2]
Total, all areas & organizations	291,363	3,780	85,109	2,332	48,850	19,850	111,207	13,371	6,864
Africa, total	7,510	0	2,486	0	2,011	1,985	733	0	295
Botswana	292	0	292	0	0	0	0	0	0
Chad	46	0	46	0	0	0	0	0	0
Egypt	3,609	0	1,624	0	0	1,985	0	0	0
Ghana	1,280	0	0	0	1,280	0	0	0	0
Kenya	606	0	509	0	0	0	0	0	97
Mali	550	0	0	0	550	0	0	0	0
Mozambique	42	0	0	0	0	0	0	0	42
Niger	132	0	0	0	0	0	0	0	132
St. Helena	733	0	0	0	0	0	733	0	0
South Africa	213	0	15	0	181	0	0	0	17
Uganda	7	0	0	0	0	0	0	0	7
North America, total	45,329	858	3,097	639	23,269	0	10,062	5,685	1,719
Barbados	39	0	0	0	0	0	0	0	39
Bermuda	3,685	0	0	0	0	0	0	3,685	0
Canada	34,433	10	3,097	639	20,974	0	8,062	0	1,651
Costa Rica	972	0	0	0	972	0	0	0	0
Jamaica	725	0	0	0	725	0	0	0	0
Mexico	4,181	2	0	0	172	0	2,000	2,000	7
Panama	868	846	0	0	0	0	0	0	22
Trinidad and Tobago	426	0	0	0	426	0	0	0	0
South America, total	5,209	536	931	0	594	0	583	2,485	80
Argentina	506	506	0	0	0	0	0	0	0
Bolivia	54	0	54	0	0	0	0	0	0
Brazil	3,693	30	554	0	544	0	0	2,485	80
Chile	479	0	0	0	50	0	429	0	0
Peru	477	0	323	0	0	0	154	0	0
Asia, total	47,211	2	43,011	0	3,471	595	69	0	63
Afghanistan	20	0	20	0	0	0	0	0	0
China	795	2	10	0	773	0	0	0	10
India	111	0	0	0	111	0	0	0	0
Indonesia	329	0	329	0	0	0	0	0	0
Israel	44,629	0	42,397	0	2,110	0	69	0	53
Japan	688	0	252	0	436	0	0	0	0
Korea, Republic of	2	0	2	0	0	0	0	0	0
Thailand	1	0	1	0	0	0	0	0	0
Viet Nam	41	0	0	0	41	0	0	0	0
Other Asia	595	0	0	0	0	595	0	0	0
Europe, total	152,117	2,376	32,817	1,693	14,273	0	91,289	5,177	4,492
Austria	2,997	0	513	200	40	0	0	2,244	0
Belgium	658	0	106	0	552	0	0	0	0
Bulgaria	2	2	0	0	0	0	0	0	0
Denmark	1,309	0	0	0	1,309	0	0	0	0
Estonia	35	0	0	0	0	0	0	0	35
Finland	53	53	0	0	0	0	0	0	0
France	6,340	2,198	244	0	1,549	0	159	1,480	710
Germany	3,555	0	1,647	105	523	0	460	820	0
Iceland	7	0	7	0	0	0	0	0	0
Ireland	480	0	480	0	0	0	0	0	0
Italy	2,397	0	494	287	1,186	0	130	0	300
Netherlands	782	0	504	0	253	0	25	0	0
Norway	4,490	5	272	0	357	0	2,274	0	1,582
Poland	87	2	0	0	0	0	0	0	85
Portugal	2	0	2	0	0	0	0	0	0
Russian Federation	77,874	105	2,636	130	0	0	74,753	0	250
Spain	12,064	0	100	0	122	0	11,842	0	0
Sweden	5,076	0	2,409	0	1,981	0	172	514	0
Switzerland	3,011	0	180	0	2,135	0	0	0	696
United Kingdom	25,887	0	18,223	971	4,266	0	1,474	119	834
Federal Rep. of Yugoslavia	11	11	0	0	0	0	0	0	0
Other Europe	5,000	0	5,000	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-80. Federal obligations for research and development to foreign performers, by region, country, and agency: fiscal year 1999

[Dollars in thousands]

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Region and country	Total	USDA	DoD	DOE	HHS	AID[1]	NASA	NSF	Other[2]
Oceania, total	16,581	8	2,767	0	5,096	0	8,471	24	215
Australia	16,196	1	2,767	0	4,772	0	8,471	0	185
Fiji	20	0	0	0	0	0	0	0	20
Guam	10	0	0	0	0	0	0	0	10
New Zealand	348	0	0	0	324	0	0	24	0
Other Oceania	7	7	0	0	0	0	0	0	0
International Organizations	17,406	0	0	0	136	17,270	0	0	0

[1] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

[2] Includes data for the Departments of Commerce, Interior, and Transportation; the Environmental Protection Agency, and the Nuclear Regulatory Commission.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

Prior to the Vol. 48 survey cycle, the National Science Foundation's Division of Science Resources Studies updated the list of foreign performers in the Federal funds survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

KEY:
USDA = Department of Agriculture
DoD = Department of Defense
DOE = Department of Energy
HHS = Department of Health & Human Services
AID = Agency for International Development
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-81. Federal obligations for basic research to foreign performers, by region, country, and agency: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

Region and country	Total	USDA	DoD	DOE	HHS	AID[1]	EPA	NASA	NSF
Total, all areas & organizations	53,381	1,925	6,732	1,405	27,334	8	158	2,484	13,285
Africa, total	792	0	295	0	497	0	0	0	0
Botswana	292	0	292	0	0	0	0	0	0
Chad	3	0	3	0	0	0	0	0	0
Ghana	289	0	0	0	289	0	0	0	0
Mali	124	0	0	0	124	0	0	0	0
South Africa	84	0	0	0	84	0	0	0	0
North America, total	21,662	457	187	512	13,767	0	26	1,028	5,685
Bermuda	3,685	0	0	0	0	0	0	0	3,685
Canada	13,923	0	187	512	12,582	0	26	616	0
Costa Rica	491	0	0	0	491	0	0	0	0
Jamaica	365	0	0	0	365	0	0	0	0
Mexico	2,499	0	0	0	87	0	0	412	2,000
Panama	457	457	0	0	0	0	0	0	0
Trinidad and Tobago	242	0	0	0	242	0	0	0	0
South America, total	3,082	273	33	0	107	0	10	174	2,485
Argentina	273	273	0	0	0	0	0	0	0
Bolivia	33	0	33	0	0	0	0	0	0
Brazil	2,593	0	0	0	98	0	10	0	2,485
Chile	151	0	0	0	9	0	0	142	0
Peru	32	0	0	0	0	0	0	32	0
Asia, total	3,040	0	976	0	2,003	0	2	9	0
China	387	0	0	0	386	0	1	0	0
India	63	0	0	0	63	0	0	0	0
Israel	2,223	0	876	0	1,287	0	1	9	0
Japan	349	0	100	0	249	0	0	0	0
Viet Nam	18	0	0	0	18	0	0	0	0
Europe, total	21,147	1,195	4,676	893	8,002	0	120	1,158	5,103
Austria	2,787	0	343	200	0	0	0	0	2,244
Belgium	365	0	50	0	315	0	0	0	0
Denmark	746	0	0	0	746	0	0	0	0
Estonia	4	0	0	0	0	0	4	0	0
France	3,650	1,186	242	0	718	0	38	36	1,430
Germany	1,944	0	563	105	298	0	0	182	796
Ireland	60	0	60	0	0	0	0	0	0
Italy	1,233	0	242	287	677	0	0	27	0
Netherlands	403	0	251	0	145	0	0	7	0
Norway	716	0	40	0	204	0	0	472	0
Portugal	2	0	2	0	0	0	0	0	0
Russian Federation	202	0	72	130	0	0	0	0	0
Spain	130	0	60	0	70	0	0	0	0
Sweden	1,757	0	65	0	1,130	0	0	48	514
Switzerland	1,296	0	0	0	1,218	0	78	0	0
United Kingdom	5,843	0	2,686	171	2,481	0	0	386	119
Federal Rep. of Yugoslavia	9	9	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-81. Federal obligations for basic research to foreign performers, by region, country, and agency: fiscal year 1999

[Dollars in thousands]

Page 2 of 2

Region and country	Total	USDA	DoD	DOE	HHS	AID[1]	EPA	NASA	NSF
Oceania, total	3,650	0	565	0	2,958	0	0	115	12
Australia	3,453	0	565	0	2,773	0	0	115	0
New Zealand	197	0	0	0	185	0	0	0	12
International Organizations	8	0	0	0	0	8	0	0	0

[1] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

Prior to the Vol. 48 survey cycle, the National Science Foundation's Division of Science Resources Studies updated the list of foreign performers in the Federal funds survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

KEY:
USDA = Department of Agriculture
DoD = Department of Defense
DOE = Department of Energy
HHS = Department of Health & Human Services
AID = Agency for International Development
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration
NSF = National Science Foundation

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-82. Federal obligations for research and development (R&D) and for R&D plant for selected agencies, by State: fiscal year 1999

[Dollars in thousands]

State	Total, R&D, and R&D plant	R&D	R&D plant
Total	75,840,468	73,798,199	2,042,269
Alabama	1,873,532	1,806,956	66,576
Alaska	115,015	115,015	0
Arizona	1,118,044	1,116,946	1,098
Arkansas	109,449	106,422	3,027
California	16,067,865	15,600,123	467,742
Colorado	1,481,920	1,438,682	43,238
Connecticut	657,480	655,191	2,289
Delaware	53,341	52,255	1,086
District of Columbia	2,505,293	2,451,606	53,687
Florida	2,340,593	2,284,405	56,188
Georgia	2,031,780	2,023,240	8,540
Hawaii	208,112	198,808	9,304
Idaho	208,899	200,672	8,227
Illinois	1,467,563	1,316,085	151,478
Indiana	420,611	413,864	6,747
Iowa	270,289	264,060	6,229
Kansas	195,563	191,603	3,960
Kentucky	146,976	146,845	131
Louisiana	248,021	219,218	28,803
Maine	152,084	150,569	1,515
Maryland	8,396,532	8,094,369	302,163
Massachusetts	3,149,654	3,129,401	20,253
Michigan	845,619	839,757	5,862
Minnesota	892,384	885,141	7,243
Mississippi	378,351	351,571	26,780
Missouri	930,514	928,681	1,833
Montana	96,867	95,446	1,421
Nebraska	94,967	94,089	878
Nevada	293,832	279,129	14,703
New Hampshire	292,251	291,723	528
New Jersey	2,691,966	2,661,153	30,813
New Mexico	2,168,105	2,068,291	99,814
New York	2,778,009	2,689,016	88,993
North Carolina	1,045,471	1,007,518	37,953
North Dakota	62,258	59,947	2,311
Ohio	3,795,905	3,687,855	108,050
Oklahoma	173,585	165,818	7,767
Oregon	417,043	408,099	8,944
Pennsylvania	1,935,185	1,907,139	28,046
Rhode Island	407,142	391,717	15,425
South Carolina	234,487	215,941	18,546
South Dakota	39,107	38,951	156
Tennessee	820,140	684,712	135,428
Texas	3,897,469	3,853,339	44,130
Utah	306,191	305,019	1,172
Vermont	62,215	61,707	508
Virginia	5,811,710	5,750,372	61,338
Washington	1,321,618	1,306,757	14,861
West Virginia	252,030	227,023	25,007
Wisconsin	380,985	377,801	3,184
Wyoming	35,541	35,219	322
Outlying areas	140,605	133,110	7,495
Puerto Rico	74,019	72,709	1,310
Other areas	66,586	60,401	6,185
Offices abroad	20,300	19,823	477

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1999.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-83. Federal obligations for research and development for selected agencies, by State and performer: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Total	73,798,199	17,446,536	31,792,202	1,307,999	14,772,312	3,892,045	3,353,058	907,751	326,296
California	15,600,123	1,749,647	8,747,014	14,327	2,069,206	2,290,375	577,895	132,236	19,423
Maryland	8,094,369	4,814,517	2,042,833	152,395	892,533	700	184,657	879	5,855
Virginia	5,750,372	1,793,639	3,403,377	4,405	263,998	64,041	54,641	157,991	8,280
Texas	3,853,339	584,149	2,376,351	0	801,277	0	77,689	2,367	11,506
Ohio	3,687,855	604,957	2,544,092	0	399,175	46	132,489	0	7,096
Massachusetts	3,129,401	240,059	925,914	468	894,594	183,211	804,838	75,151	5,166
New York	2,689,016	132,848	726,623	0	1,226,895	104	274,887	248,758	78,901
New Jersey	2,661,153	486,722	1,877,394	0	229,536	40,322	15,666	5,624	5,889
District of Columbia	2,451,606	1,912,131	175,078	0	157,232	0	202,661	159	4,345
Florida	2,284,405	763,344	1,160,539	0	331,613	0	16,258	0	12,651
New Mexico	2,068,291	409,886	168,267	696,216	106,169	659,753	23,427	0	4,573
Georgia	2,023,240	278,552	1,421,682	0	301,009	0	14,542	0	7,455
Pennsylvania	1,907,139	168,382	597,896	0	953,933	16,927	162,588	0	7,413
Alabama	1,806,956	771,923	765,210	0	249,207	0	16,957	0	3,659
Colorado	1,438,682	238,003	622,424	0	299,380	77,480	61,389	133,433	6,573
Illinois	1,316,085	77,055	124,253	0	587,341	450,934	68,009	0	8,493
Washington	1,306,757	191,104	367,398	0	416,548	0	175,105	151,148	5,454
Arizona	1,116,946	170,099	705,783	0	187,566	38,247	10,251	0	5,000
North Carolina	1,007,518	230,780	135,448	0	564,348	0	71,752	0	5,190
Missouri	928,681	48,097	504,220	0	346,973	0	24,499	0	4,892
Minnesota	885,141	37,878	510,161	0	218,542	0	111,982	0	6,578
Michigan	839,757	149,473	166,114	0	502,219	0	15,694	0	6,257
Tennessee	684,712	64,783	53,727	319,899	201,458	7,527	34,036	0	3,282
Connecticut	655,191	17,883	309,035	0	305,015	0	16,219	0	7,039
Indiana	413,864	54,903	147,381	0	205,001	0	2,030	0	4,549
Oregon	408,099	89,369	86,604	0	199,159	0	24,998	0	7,969
Rhode Island	391,717	232,701	55,254	0	68,546	0	33,570	0	1,646
Wisconsin	377,801	41,110	19,094	0	298,239	0	14,783	0	4,575
Mississippi	351,571	196,245	77,026	0	69,270	0	5,760	0	3,270
Utah	305,019	74,129	61,297	0	161,857	0	3,870	0	3,866
New Hampshire	291,723	28,353	178,325	0	80,232	0	1,718	0	3,095
Nevada	279,129	27,843	219,650	0	28,387	0	1,437	0	1,812
Iowa	264,060	39,213	17,091	0	179,955	20,499	3,888	0	3,414
West Virginia	227,023	116,330	42,758	0	28,307	33,132	4,726	0	1,770
Louisiana	219,218	58,976	11,039	0	137,798	0	4,058	0	7,347
South Carolina	215,941	45,050	30,369	28,771	108,437	0	1,461	5	1,848
Idaho	200,672	27,448	58,849	91,483	20,977	0	279	0	1,636
Hawaii	198,808	64,534	50,602	0	58,826	0	21,895	0	2,951
Kansas	191,603	35,743	68,276	0	82,240	0	1,334	0	4,010
Oklahoma	165,818	45,912	39,049	0	63,265	0	14,697	0	2,895
Maine	150,569	4,975	87,469	0	20,451	0	35,172	0	2,502
Kentucky	146,845	9,146	43,799	0	87,343	0	627	0	5,930
Alaska	115,015	53,287	16,095	0	38,356	0	2,005	0	5,272
Arkansas	106,422	46,122	1,749	0	51,873	0	3,912	0	2,766
Montana	95,446	42,816	5,048	0	35,474	0	8,335	0	3,773
Nebraska	94,089	28,769	2,807	0	55,713	0	5,210	0	1,590
Vermont	61,707	4,065	9,900	0	44,462	0	1,742	0	1,538
North Dakota	59,947	30,561	1,592	0	25,538	0	920	0	1,336
Delaware	52,255	2,747	10,662	0	34,655	0	2,880	0	1,311
South Dakota	38,951	20,709	6,221	0	10,614	0	370	0	1,037

See explanatory information, if any, and SOURCE at end of table.

Table C-83. Federal obligations for research and development for selected agencies, by State and performer: fiscal year 1999

[Dollars in thousands]

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State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Wyoming	35,219	15,508	933	0	14,495	0	3,218	0	1,065
Outlying areas	133,110	55,157	11,749	35	56,857	8,747	12	0	553
Puerto Rico	72,709	8,548	4,193	0	50,661	8,747	12	0	548
Other areas	60,401	46,609	7,556	35	6,196	0	0	0	5
Offices abroad	19,823	18,904	681	0	218	0	20	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1999.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-83a. Percentage distribution of Federal obligations for research and development to each performer for selected agencies, by State: fiscal year 1999

Page 1 of 2

State (in order of total Federal research & development obligations)	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	21.1	10.0	27.5	1.1	14.0	58.8	17.2	14.6	6.0
Maryland	11.0	27.6	6.4	11.7	6.0	*	5.5	.1	1.8
Virginia	7.8	10.3	10.7	.3	1.8	1.6	1.6	17.4	2.5
Texas	5.2	3.3	7.5	.0	5.4	.0	2.3	.3	3.5
Ohio	5.0	3.5	8.0	.0	2.7	*	4.0	.0	2.2
Massachusetts	4.2	1.4	2.9	*	6.1	4.7	24.0	8.3	1.6
New York	3.6	.8	2.3	.0	8.3	*	8.2	27.4	24.2
New Jersey	3.6	2.8	5.9	.0	1.6	1.0	.5	.6	1.8
District of Columbia	3.3	11.0	.6	.0	1.1	.0	6.0	*	1.3
Florida	3.1	4.4	3.7	.0	2.2	.0	.5	.0	3.9
New Mexico	2.8	2.3	.5	53.2	.7	17.0	.7	.0	1.4
Georgia	2.7	1.6	4.5	.0	2.0	.0	.4	.0	2.3
Pennsylvania	2.6	1.0	1.9	.0	6.5	.4	4.8	.0	2.3
Alabama	2.4	4.4	2.4	.0	1.7	.0	.5	.0	1.1
Colorado	1.9	1.4	2.0	.0	2.0	2.0	1.8	14.7	2.0
Illinois	1.8	.4	.4	.0	4.0	11.6	2.0	.0	2.6
Washington	1.8	1.1	1.2	.0	2.8	.0	5.2	16.7	1.7
Arizona	1.5	1.0	2.2	.0	1.3	1.0	.3	.0	1.5
North Carolina	1.4	1.3	.4	.0	3.8	.0	2.1	.0	1.6
Missouri	1.3	.3	1.6	.0	2.3	.0	.7	.0	1.5
Minnesota	1.2	.2	1.6	.0	1.5	.0	3.3	.0	2.0
Michigan	1.1	.9	.5	.0	3.4	.0	.5	.0	1.9
Tennessee	.9	.4	.2	24.5	1.4	.2	1.0	.0	1.0
Connecticut	.9	.1	1.0	.0	2.1	.0	.5	.0	2.2
Indiana	.6	.3	.5	.0	1.4	.0	.1	.0	1.4
Oregon	.6	.5	.3	.0	1.3	.0	.7	.0	2.4
Rhode Island	.5	1.3	.2	.0	.5	.0	1.0	.0	.5
Wisconsin	.5	.2	.1	.0	2.0	.0	.4	.0	1.4
Mississippi	.5	1.1	.2	.0	.5	.0	.2	.0	1.0
Utah	.4	.4	.2	.0	1.1	.0	.1	.0	1.2
New Hampshire	.4	.2	.6	.0	.5	.0	.1	.0	.9
Nevada	.4	.2	.7	.0	.2	.0	*	.0	.6
Iowa	.4	.2	.1	.0	1.2	.5	.1	.0	1.0
West Virginia	.3	.7	.1	.0	.2	.9	.1	.0	.5
Louisiana	.3	.3	*	.0	.9	.0	.1	.0	2.3
South Carolina	.3	.3	.1	2.2	.7	.0	*	*	.6
Idaho	.3	.2	.2	7.0	.1	.0	*	.0	.5
Hawaii	.3	.4	.2	.0	.4	.0	.7	.0	.9
Kansas	.3	.2	.2	.0	.6	.0	*	.0	1.2
Oklahoma	.2	.3	.1	.0	.4	.0	.4	.0	.9
Maine	.2	*	.3	.0	.1	.0	1.0	.0	.8
Kentucky	.2	.1	.1	.0	.6	.0	*	.0	1.8
Alaska	.2	.3	.1	.0	.3	.0	.1	.0	1.6
Arkansas	.1	.3	*	.0	.4	.0	.1	.0	.8
Montana	.1	.2	*	.0	.2	.0	.2	.0	1.2
Nebraska	.1	.2	*	.0	.4	.0	.2	.0	.5
Vermont	.1	*	*	.0	.3	.0	.1	.0	.5
North Dakota	.1	.2	*	.0	.2	.0	*	.0	.4
Delaware	.1	*	*	.0	.2	.0	.1	.0	.4
South Dakota	.1	.1	*	.0	.1	.0	*	.0	.3

See explanatory information, if any, and SOURCE at end of table.

Table C-83a. Percentage distribution of Federal obligations for research and development to each performer for selected agencies, by State: fiscal year 1999

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State (in order of total Federal research & development obligations)	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Wyoming	*	0.1	*	.0	0.1	.0	0.1	.0	0.3
Outlying areas	0.2	.3	*	*	.4	0.2	*	.0	.2
Puerto Rico	.1	*	*	.0	.3	.2	*	.0	.2
Other areas	.1	.3	*	*	*	.0	.0	.0	*
Offices abroad	*	.1	*	.0	*	.0	*	.0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation, the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1999.

KEY:
* = Amount less than 0.5 percent
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-83b. Percentage distribution of Federal obligations for research and development to each State for selected agencies, by performer: fiscal year 1999

Page 1 of 2

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Total	100.0	23.6	43.1	1.8	20.0	5.3	4.5	1.2	0.4
California	100.0	11.2	56.1	.1	13.3	14.7	3.7	.8	.1
Maryland	100.0	59.5	25.2	1.9	11.0	*	2.3	*	.1
Virginia	100.0	31.2	59.2	.1	4.6	1.1	1.0	2.7	.1
Texas	100.0	15.2	61.7	.0	20.8	.0	2.0	.1	.3
Ohio	100.0	16.4	69.0	.0	10.8	*	3.6	.0	.2
Massachusetts	100.0	7.7	29.6	*	28.6	5.9	25.7	2.4	.2
New York	100.0	4.9	27.0	.0	45.6	*	10.2	9.3	2.9
New Jersey	100.0	18.3	70.5	.0	8.6	1.5	.6	.2	.2
District of Columbia	100.0	78.0	7.1	.0	6.4	.0	8.3	*	.2
Florida	100.0	33.4	50.8	.0	14.5	.0	.7	.0	.6
New Mexico	100.0	19.8	8.1	33.7	5.1	31.9	1.1	.0	.2
Georgia	100.0	13.8	70.3	.0	14.9	.0	.7	.0	.4
Pennsylvania	100.0	8.8	31.4	.0	50.0	.9	8.5	.0	.4
Alabama	100.0	42.7	42.3	.0	13.8	.0	.9	.0	.2
Colorado	100.0	16.5	43.3	.0	20.8	5.4	4.3	9.3	.5
Illinois	100.0	5.9	9.4	.0	44.6	34.3	5.2	.0	.6
Washington	100.0	14.6	28.1	.0	31.9	.0	13.4	11.6	.4
Arizona	100.0	15.2	63.2	.0	16.8	3.4	.9	.0	.4
North Carolina	100.0	22.9	13.4	.0	56.0	.0	7.1	.0	.5
Missouri	100.0	5.2	54.3	.0	37.4	.0	2.6	.0	.5
Minnesota	100.0	4.3	57.6	.0	24.7	.0	12.7	.0	.7
Michigan	100.0	17.8	19.8	.0	59.8	.0	1.9	.0	.7
Tennessee	100.0	9.5	7.8	46.7	29.4	1.1	5.0	.0	.5
Connecticut	100.0	2.7	47.2	.0	46.6	.0	2.5	.0	1.1
Indiana	100.0	13.3	35.6	.0	49.5	.0	.5	.0	1.1
Oregon	100.0	21.9	21.2	.0	48.8	.0	6.1	.0	2.0
Rhode Island	100.0	59.4	14.1	.0	17.5	.0	8.6	.0	.4
Wisconsin	100.0	10.9	5.1	.0	78.9	.0	3.9	.0	1.2
Mississippi	100.0	55.8	21.9	.0	19.7	.0	1.6	.0	.9
Utah	100.0	24.3	20.1	.0	53.1	.0	1.3	.0	1.3
New Hampshire	100.0	9.7	61.1	.0	27.5	.0	.6	.0	1.1
Nevada	100.0	10.0	78.7	.0	10.2	.0	.5	.0	.6
Iowa	100.0	14.9	6.5	.0	68.1	7.8	1.5	.0	1.3
West Virginia	100.0	51.2	18.8	.0	12.5	14.6	2.1	.0	.8
Louisiana	100.0	26.9	5.0	.0	62.9	.0	1.9	.0	3.4
South Carolina	100.0	20.9	14.1	13.3	50.2	.0	.7	*	.9
Idaho	100.0	13.7	29.3	45.6	10.5	.0	.1	.0	.8
Hawaii	100.0	32.5	25.5	.0	29.6	.0	11.0	.0	1.5
Kansas	100.0	18.7	35.6	.0	42.9	.0	.7	.0	2.1
Oklahoma	100.0	27.7	23.5	.0	38.2	.0	8.9	.0	1.7
Maine	100.0	3.3	58.1	.0	13.6	.0	23.4	.0	1.7
Kentucky	100.0	6.2	29.8	.0	59.5	.0	.4	.0	4.0
Alaska	100.0	46.3	14.0	.0	33.3	.0	1.7	.0	4.6
Arkansas	100.0	43.3	1.6	.0	48.7	.0	3.7	.0	2.6
Montana	100.0	44.9	5.3	.0	37.2	.0	8.7	.0	4.0
Nebraska	100.0	30.6	3.0	.0	59.2	.0	5.5	.0	1.7
Vermont	100.0	6.6	16.0	.0	72.1	.0	2.8	.0	2.5
North Dakota	100.0	51.0	2.7	.0	42.6	.0	1.5	.0	2.2
Delaware	100.0	5.3	20.4	.0	66.3	.0	5.5	.0	2.5
South Dakota	100.0	53.2	16.0	.0	27.2	.0	.9	.0	2.7

See explanatory information, if any, and SOURCE at end of table.

Table C-83b. Percentage distribution of Federal obligations for research and development to each State for selected agencies, by performer: fiscal year 1999

Page 2 of 2

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Wyoming	100.0	44.0	2.6	.0	41.2	.0	9.1	.0	3.0
Outlying areas	100.0	41.4	8.8	*	42.7	6.6	*	.0	.4
Puerto Rico	100.0	11.8	5.8	.0	69.7	12.0	*	.0	.8
Other areas	100.0	77.2	12.5	0.1	10.3	.0	.0	.0	*
Offices abroad	100.0	95.4	3.4	.0	1.1	.0	1	.0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1999.

KEY:
* = Amount less than 0.5 percent
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-84. Federal obligations for research and development, by State and selected agency: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	73,798,199	1,610,353	989,223	35,560,750	6,007,398	15,865,886	639,609	666,291	551,543	9,414,486	2,492,660
California	15,600,123	96,666	83,792	9,251,904	1,126,603	1,728,128	40,721	37,903	33,478	2,829,708	371,220
Maryland	8,094,369	144,063	352,899	2,576,329	51,098	3,502,254	16,501	37,969	12,138	1,326,768	74,350
Virginia	5,750,372	10,374	25,272	4,687,266	81,649	205,582	52,033	40,177	21,295	568,633	58,091
Texas	3,853,339	72,661	9,309	949,850	24,310	629,695	32,857	15,838	24,166	2,017,403	77,250
Ohio	3,687,855	17,014	6,617	2,647,390	18,047	415,955	6,551	19,283	57,969	452,980	46,049
Massachusetts	3,129,401	27,209	41,887	1,279,848	94,536	1,308,083	5,335	44,697	9,985	140,212	177,009
New York	2,689,016	37,599	20,689	549,242	572,163	1,219,299	9,801	12,482	12,437	64,242	191,062
New Jersey	2,661,153	6,938	30,325	2,253,318	61,543	148,077	4,457	53,082	4,443	44,530	54,440
District of Columbia	2,451,606	174,269	16,630	1,087,263	422,461	233,954	2,678	168,268	59,829	208,128	78,126
Florida	2,284,405	41,040	38,426	1,493,315	13,064	185,551	23,259	9,765	10,468	398,526	70,991
New Mexico	2,068,291	8,267	971	618,521	1,301,704	56,807	12,496	7,923	4,042	42,521	15,039
Georgia	2,023,240	54,619	3,794	1,503,798	12,347	354,325	10,189	6,479	13,092	20,674	43,923
Pennsylvania	1,907,139	46,744	4,803	514,567	327,308	847,209	8,188	10,114	5,718	39,333	103,155
Alabama	1,806,956	19,531	1,171	1,026,410	19,877	180,635	6,338	4,877	5,100	528,417	14,600
Colorado	1,438,682	29,723	91,297	576,910	152,465	219,109	56,598	26,038	11,982	147,246	127,314
Illinois	1,316,085	46,049	4,953	128,271	499,681	461,202	7,257	13,249	6,146	17,256	132,021
Washington	1,306,757	40,533	73,046	384,888	166,272	478,741	13,524	6,735	7,475	76,276	59,267
Arizona	1,116,946	24,890	3,267	790,929	5,149	107,304	14,725	3,492	5,620	70,804	90,766
North Carolina	1,007,518	40,158	12,707	136,847	16,301	607,636	8,740	6,524	116,893	12,977	48,735
Missouri	928,681	24,470	237	522,212	4,601	309,316	18,557	3,896	8,049	12,266	25,077
Minnesota	885,141	25,601	7,493	516,813	8,056	242,895	10,299	17,914	13,428	7,622	35,020
Michigan	839,757	22,717	25,046	252,215	19,669	349,571	13,480	12,039	28,364	22,259	94,397
Tennessee	684,712	9,831	1,509	80,008	339,012	190,482	7,024	6,732	916	29,693	19,505
Connecticut	655,191	7,589	9,302	184,089	50,895	281,829	1,406	15,915	934	76,266	26,966
Indiana	413,864	17,845	1,902	190,939	16,533	116,659	5,138	5,854	645	10,689	47,660
Oregon	408,099	37,894	16,365	28,149	37,184	208,109	16,731	2,796	17,805	9,494	33,572
Rhode Island	391,717	2,598	5,762	278,858	2,716	61,896	2,991	992	10,245	3,818	21,841
Wisconsin	377,801	38,269	3,127	14,219	20,468	219,342	15,862	3,886	1,912	17,862	42,854
Mississippi	351,571	71,827	10,297	155,593	1,723	14,848	8,010	3,088	640	73,750	11,795
Utah	305,019	15,977	1,931	126,497	7,806	96,460	10,918	3,215	808	15,846	25,561
New Hampshire	291,723	5,237	8,998	192,622	620	48,007	2,045	3,237	1,000	16,032	13,925
Nevada	279,129	3,229	282	16,211	202,151	15,502	11,592	6,893	12,967	2,703	7,599
Iowa	264,060	48,606	226	20,870	27,638	129,573	6,280	3,660	896	10,624	15,687
West Virginia	227,023	23,792	395	19,191	61,806	56,376	8,065	2,593	0	18,189	36,616
Louisiana	219,218	42,559	6,004	34,858	6,464	78,323	18,905	3,166	6,420	9,020	13,499
South Carolina	215,941	16,894	9,159	63,174	40,176	56,180	4,907	1,165	1,960	3,156	19,170
Idaho	200,672	19,566	1,403	11,679	143,078	3,718	11,862	1,724	594	1,552	5,496
Hawaii	198,808	20,228	15,068	85,414	2,984	28,991	6,605	835	0	18,860	19,823
Kansas	191,603	16,650	524	55,646	4,405	80,015	8,587	2,647	2,542	5,111	15,476
Oklahoma	165,818	19,546	7,153	29,737	18,088	40,886	7,208	14,269	12,158	2,683	14,090
Maine	150,569	4,615	2,158	89,409	1,394	36,097	4,896	1,306	224	2,883	7,587
Kentucky	146,845	9,136	364	12,060	3,715	97,365	4,220	4,906	451	1,573	13,055
Alaska	115,015	9,901	26,346	18,043	3,264	3,904	26,214	3,416	789	9,504	13,634
Arkansas	106,422	32,730	0	1,548	100	53,824	5,467	2,695	639	1,400	8,019
Montana	95,446	21,612	365	5,843	1,120	26,044	17,493	2,455	2,422	5,420	12,672
Nebraska	94,089	29,750	650	5,130	939	34,480	7,556	1,238	300	2,148	11,898
Vermont	61,707	6,495	423	10,017	917	37,376	1,507	578	561	625	3,208
North Dakota	59,947	28,349	508	3,820	6,027	5,482	8,525	1,138	292	1,794	4,012
Delaware	52,255	5,258	2,304	13,541	2,046	9,029	504	1,465	874	4,256	12,978
South Dakota	38,951	7,265	608	1,385	50	3,893	14,501	952	432	6,561	3,304

See explanatory information, if any, and SOURCE at end of table.

Table C-84. Federal obligations for research and development, by State and selected agency: fiscal year 1999

[Dollars in thousands]

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State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Wyoming	35,219	8,405	25	729	4,190	1,646	9,905	3,737	0	438	6,144
Outlying areas	133,110	13,781	1,434	47,326	985	38,222	9,501	994	0	3,755	17,112
Puerto Rico	72,709	9,542	966	1,363	985	37,065	1,847	74	0	3,755	17,112
Other areas	60,401	4,239	468	45,963	0	1,157	7,654	920	0	0	0
Offices abroad	19,823	3,784	0	16,039	0	0	0	0	0	0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey. the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1999.

KEY:
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development. Fiscal Years 1999, 2000, and 2001

Table C-84a. Percentage distribution of Federal obligations for research and development of each selected agency, by State: fiscal year 1999

Page 1 of 2

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	21.1	6.0	8.5	26.0	18.8	10.9	6.4	5.7	6.1	30.1	14.9
Maryland	11.0	8.9	35.7	7.2	.9	22.1	2.6	5.7	2.2	14.1	3.0
Virginia	7.8	.6	2.6	13.2	1.4	1.3	8.1	6.0	3.9	6.0	2.3
Texas	5.2	4.5	.9	2.7	.4	4.0	5.1	2.4	4.4	21.4	3.1
Ohio	5.0	1.1	.7	7.4	.3	2.6	1.0	2.9	10.5	4.8	1.8
Massachusetts	4.2	1.7	4.2	3.6	1.6	8.2	.9	6.7	1.8	1.5	7.1
New York	3.6	2.3	2.1	1.5	9.5	7.7	1.5	1.9	2.3	.7	7.7
New Jersey	3.6	.4	3.1	6.3	1.0	.9	.7	8.0	.8	.5	2.2
District of Columbia	3.3	10.8	1.7	3.1	7.0	1.5	.4	25.3	10.8	2.2	3.1
Florida	3.1	2.5	3.9	4.2	.2	1.2	3.6	1.5	1.9	4.2	2.8
New Mexico	2.8	.5	.1	1.7	21.7	.4	2.0	1.2	.7	.5	.6
Georgia	2.7	3.4	.4	4.2	.2	2.2	1.6	1.0	2.4	.2	1.8
Pennsylvania	2.6	2.9	.5	1.4	5.4	5.3	1.3	1.5	1.0	.4	4.1
Alabama	2.4	1.2	.1	2.9	.3	1.1	1.0	.7	.9	5.6	.6
Colorado	1.9	1.8	9.2	1.6	2.5	1.4	8.8	3.9	2.2	1.6	5.1
Illinois	1.8	2.9	.5	.4	8.3	2.9	1.1	2.0	1.1	.2	5.3
Washington	1.8	2.5	7.4	1.1	2.8	3.0	2.1	1.0	1.4	.8	2.4
Arizona	1.5	1.5	.3	2.2	.1	.7	2.3	.5	1.0	.8	3.6
North Carolina	1.4	2.5	1.3	.4	.3	3.8	1.4	1.0	21.2	.1	2.0
Missouri	1.3	1.5	*	1.5	.1	1.9	2.9	.6	1.5	.1	1.0
Minnesota	1.2	1.6	.8	1.5	.1	1.5	1.6	2.7	2.4	.1	1.4
Michigan	1.1	1.4	2.5	.7	.3	2.2	2.1	1.8	5.1	.2	3.8
Tennessee	.9	.6	.2	.2	5.6	1.2	1.1	1.0	.2	.3	.8
Connecticut	.9	.5	.9	.5	.8	1.8	.2	2.4	.2	.8	1.1
Indiana	.6	1.1	.2	.5	.3	.7	.8	.9	.1	.1	1.9
Oregon	.6	2.4	1.7	.1	.6	1.3	2.6	.4	3.2	.1	1.3
Rhode Island	.5	.2	.6	.8	*	.4	.5	.1	1.9	*	.9
Wisconsin	.5	2.4	.3	*	.3	1.4	2.5	.6	.3	.2	1.7
Mississippi	.5	4.5	1.0	.4	*	.1	1.3	.5	.1	.8	.5
Utah	.4	1.0	.2	.4	.1	.6	1.7	.5	.1	.2	1.0
New Hampshire	.4	.3	.9	.5	*	.3	.3	.5	.2	.2	.6
Nevada	.4	.2	*	*	3.4	.1	1.8	1.0	2.4	*	.3
Iowa	.4	3.0	*	.1	.5	.8	1.0	.5	.2	.1	.6
West Virginia	.3	1.5	*	.1	1.0	.4	1.3	.4	.0	.2	1.5
Louisiana	.3	2.6	.6	.1	.1	.5	3.0	.5	1.2	.1	.5
South Carolina	.3	1.0	.9	.2	.7	.4	.8	.2	.4	*	.8
Idaho	.3	1.2	.1	*	2.4	*	1.9	.3	.1	*	.2
Hawaii	.3	1.3	1.5	.2	*	.2	1.0	.1	.0	.2	.8
Kansas	.3	1.0	.1	.2	.1	.5	1.3	.4	.5	.1	.6
Oklahoma	.2	1.2	.7	.1	.3	.3	1.1	2.1	2.2	*	.6
Maine	.2	.3	.2	.3	*	.2	.8	.2	*	*	.3
Kentucky	.2	.6	*	*	.1	.6	.7	.7	.1	*	.5
Alaska	.2	.6	2.7	.1	.1	*	4.1	.5	.1	.1	.5
Arkansas	.1	2.0	.0	*	*	.3	.9	.4	.1	*	.3
Montana	.1	1.3	*	*	*	.2	2.7	.4	.4	.1	.5
Nebraska	.1	1.8	.1	*	*	.2	1.2	.2	.1	*	.5
Vermont	.1	.4	*	*	*	.2	.2	.1	.1	*	.1
North Dakota	.1	1.8	.1	*	.1	*	1.3	.2	.1	*	.2
Delaware	.1	.3	.2	*	*	.1	.1	.2	.2	*	.5
South Dakota	.1	.5	.1	*	*	*	2.3	.1	.1	.1	.1

See explanatory information, if any, and SOURCE at end of table

Table C-84a. Percentage distribution of Federal obligations for research and development of each selected agency, by State: fiscal year 1999

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Wyoming	*	0.5	*	*	0.1	*	1.5	0.6	0	*	0.2
Outlying areas	0.2	.9	0.1	0.1	*	0.2	1.5	1	0	*	.7
Puerto Rico	1	.6	1	*	*	2	3	*	0	*	7
Other areas	1	.3	*	.1	0	*	1.2	1	0	0	0
Offices abroad	*	2	.0	*	0	0	.0	0	.0	.0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation, the Environmental Protection Agency, the National Aeronautics and Space Administration, and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1999.

KEY:

*	=	Amount less than 0.5 percent
EPA	=	Environmental Protection Agency
NASA	=	National Aeronautics & Space Administration

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-84b. Percentage distribution of Federal obligations for research and development of each State, by selected agency: fiscal year 1999

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State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	2.2	1.3	48.2	8.1	21.5	0.9	0.9	0.7	12.8	3.4
California	100.0	.6	.5	59.3	7.2	11.1	.3	.2	.2	18.1	2.4
Maryland	100.0	1.8	4.4	31.8	.6	43.3	.2	.5	.1	16.4	.9
Virginia	100.0	.2	.4	81.5	1.4	3.6	.9	.7	.4	9.9	1.0
Texas	100.0	1.9	.2	24.7	.6	16.3	.9	.4	.6	52.4	2.0
Ohio	100.0	.5	.2	71.8	.5	11.3	.2	.5	1.6	12.3	1.2
Massachusetts	100.0	.9	1.3	40.9	3.0	41.8	.2	1.4	.3	4.5	5.7
New York	100.0	1.4	.8	20.4	21.3	45.3	.4	.5	.5	2.4	7.1
New Jersey	100.0	.3	1.1	84.7	2.3	5.6	.2	2.0	.2	1.7	2.0
District of Columbia	100.0	7.1	.7	44.3	17.2	9.5	.1	6.9	2.4	8.5	3.2
Florida	100.0	1.8	1.7	65.4	.6	8.1	1.0	.4	.5	17.4	3.1
New Mexico	100.0	.4	*	29.9	62.9	2.7	.6	.4	.2	2.1	.7
Georgia	100.0	2.7	.2	74.3	.6	17.5	.5	.3	.6	1.0	2.2
Pennsylvania	100.0	2.5	.3	27.0	17.2	44.4	.4	.5	.3	2.1	5.4
Alabama	100.0	1.1	.1	56.8	1.1	10.0	.4	.3	.3	29.2	.8
Colorado	100.0	2.1	6.3	40.1	10.6	15.2	3.9	1.8	.8	10.2	8.8
Illinois	100.0	3.5	.4	9.7	38.0	35.0	.6	1.0	.5	1.3	10.0
Washington	100.0	3.1	5.6	29.5	12.7	36.6	1.0	.5	.6	5.8	4.5
Arizona	100.0	2.2	.3	70.8	.5	9.6	1.3	.3	.5	6.3	8.1
North Carolina	100.0	4.0	1.3	13.6	1.6	60.3	.9	.6	11.6	1.3	4.8
Missouri	100.0	2.6	*	56.2	.5	33.3	2.0	.4	.9	1.3	2.7
Minnesota	100.0	2.9	.8	58.4	.9	27.4	1.2	2.0	1.5	.9	4.0
Michigan	100.0	2.7	3.0	30.0	2.3	41.6	1.6	1.4	3.4	2.7	11.2
Tennessee	100.0	1.4	.2	11.7	49.5	27.8	1.0	1.0	.1	4.3	2.8
Connecticut	100.0	1.2	1.4	28.1	7.8	43.0	.2	2.4	.1	11.6	4.1
Indiana	100.0	4.3	.5	46.1	4.0	28.2	1.2	1.4	.2	2.6	11.5
Oregon	100.0	9.3	4.0	6.9	9.1	51.0	4.1	.7	4.4	2.3	8.2
Rhode Island	100.0	.7	1.5	71.2	.7	15.8	.8	.3	2.6	1.0	5.6
Wisconsin	100.0	10.1	.8	3.8	5.4	58.1	4.2	1.0	.5	4.7	11.3
Mississippi	100.0	20.4	2.9	44.3	.5	4.2	2.3	.9	.2	21.0	3.4
Utah	100.0	5.2	.6	41.5	2.6	31.6	3.6	1.1	.3	5.2	8.4
New Hampshire	100.0	1.8	3.1	66.0	.2	16.5	.7	1.1	.3	5.5	4.8
Nevada	100.0	1.2	.1	5.8	72.4	5.6	4.2	2.5	4.6	1.0	2.7
Iowa	100.0	18.4	.1	7.9	10.5	49.1	2.4	1.4	.3	4.0	5.9
West Virginia	100.0	10.5	.2	8.5	27.2	24.8	3.6	1.1	.0	8.0	16.1
Louisiana	100.0	19.4	2.7	15.9	2.9	35.7	8.6	1.4	2.9	4.1	6.2
South Carolina	100.0	7.8	4.2	29.3	18.6	26.0	2.3	.5	.9	1.5	8.9
Idaho	100.0	9.8	.7	5.8	71.3	1.9	5.9	.9	.3	.8	2.7
Hawaii	100.0	10.2	7.6	43.0	1.5	14.6	3.3	.4	.0	9.5	10.0
Kansas	100.0	8.7	.3	29.0	2.3	41.8	4.5	1.4	1.3	2.7	8.1
Oklahoma	100.0	11.8	4.3	17.9	10.9	24.7	4.3	8.6	7.3	1.6	8.5
Maine	100.0	3.1	1.4	59.4	.9	24.0	3.3	.9	.1	1.9	5.0
Kentucky	100.0	6.2	.2	8.2	2.5	66.3	2.9	3.3	.3	1.1	8.9
Alaska	100.0	8.6	22.9	15.7	2.8	3.4	22.8	3.0	.7	8.3	11.9
Arkansas	100.0	30.8	.0	1.5	.1	50.6	5.1	2.5	.6	1.3	7.5
Montana	100.0	22.6	.4	6.1	1.2	27.3	18.3	2.6	2.5	5.7	13.3
Nebraska	100.0	31.6	.7	5.5	1.0	36.6	8.0	1.3	.3	2.3	12.6
Vermont	100.0	10.5	.7	16.2	1.5	60.6	2.4	.9	.9	1.0	5.2
North Dakota	100.0	47.3	.8	6.4	10.1	9.1	14.2	1.9	.5	3.0	6.7
Delaware	100.0	10.1	4.4	25.9	3.9	17.3	1.0	2.8	1.7	8.1	24.8
South Dakota	100.0	18.7	1.6	3.6	.1	10.0	37.2	2.4	1.1	16.8	8.5

See explanatory information, if any, and SOURCE at end of table

Table C-84b. Percentage distribution of Federal obligations for research and development of each State, by selected agency: fiscal year 1999

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State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Wyoming	100.0	23.9	0.1	2.1	11.9	4.7	28.1	10.6	.0	1.2	17.4
Outlying areas	100.0	10.4	1.1	35.6	.7	28.7	7.1	.7	.0	2.8	12.9
Puerto Rico	100.0	13.1	1.3	1.9	1.4	51.0	2.5	.1	.0	5.2	23.5
Other areas	100.0	7.0	.8	76.1	.0	1.9	12.7	1.5	.0	.0	.0
Offices abroad	100.0	19.1	.0	80.9	.0	.0	.0	.0	.0	.0	.0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation, the Environmental Protection Agency, the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1999.

KEY:

* = Amount less than 0.5 percent
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Alabama, total	1,806,956	771,923	765,210	0	249,207	0	16,957	0	3,659
Department of Agriculture	19,531	6,155	0	0	13,376	0	0	0	0
Department of Commerce	1,171	198	598	0	375	0	0	0	0
Department of Defense, research [2]	70,779	29,772	30,062	0	8,823	0	2,120	0	2
Department of Defense, total development [3]	955,631	419,201	532,521	0	3,750	0	159	0	0
Department of Energy	19,877	0	14,762	0	4,639	0	476	0	0
Department of Health & Human Svcs	180,635	380	3,170	0	165,870	0	11,025	0	190
Department of the Interior	6,338	5,855	33	0	243	0	0	0	207
Department of Transportation	4,877	159	517	0	941	0	0	0	3,260
Environmental Protection Agency	5,100	0	1,171	0	3,896	0	33	0	0
National Aeronautics and Space Admin	528,417	310,203	181,876	0	33,696	0	2,642	0	0
National Science Foundation	14,600	0	500	0	13,598	0	502	0	0
Alaska, total	115,015	53,287	16,095	0	38,356	0	2,005	0	5,272
Department of Agriculture	9,901	5,164	0	0	4,737	0	0	0	0
Department of Commerce	26,346	22,611	0	0	3,735	0	0	0	0
Department of Defense, research [2]	2,605	591	121	0	1,893	0	0	0	0
Department of Defense, total development [3]	15,438	2,907	12,531	0	0	0	0	0	0
Department of Energy	3,264	0	152	0	2,862	0	0	0	250
Department of Health & Human Svcs	3,904	2,000	0	0	1,072	0	367	0	465
Department of the Interior	26,214	20,007	2,962	0	2,486	0	218	0	541
Department of Transportation	3,416	0	0	0	0	0	0	0	3,416
Environmental Protection Agency	789	0	0	0	189	0	0	0	600
National Aeronautics and Space Admin	9,504	7	126	0	9,326	0	45	0	0
National Science Foundation	13,634	0	203	0	12,056	0	1,375	0	0
Arizona, total	1,116,946	170,099	705,783	0	187,566	38,247	10,251	0	5,000
Department of Agriculture	24,890	16,663	0	0	8,177	0	30	0	20
Department of Commerce	3,267	126	2,192	0	474	0	475	0	0
Department of Defense, research [2]	48,843	10,390	20,581	0	17,822	0	9	0	41
Department of Defense, total development [3]	742,086	119,228	620,762	0	2,096	0	0	0	0
Department of Energy	5,149	0	0	0	5,149	0	0	0	0
Department of Health & Human Svcs	107,304	4,591	14,736	0	78,612	0	8,170	0	1,195
Department of the Interior	14,725	13,649	28	0	922	0	0	0	126
Department of Transportation	3,492	0	359	0	0	0	0	0	3,133
Environmental Protection Agency	5,620	0	2,498	0	2,637	0	0	0	485
National Aeronautics and Space Admin	70,804	5,452	43,178	0	20,867	0	1,307	0	0
National Science Foundation	90,766	0	1,449	0	50,810	38,247	260	0	0
Arkansas, total	106,422	46,122	1,749	0	51,873	0	3,912	0	2,766
Department of Agriculture	32,730	18,102	0	0	14,603	0	0	0	25
Department of Defense, research [2]	845	4	0	0	841	0	0	0	0
Department of Defense, total development [3]	703	196	457	0	50	0	0	0	0
Department of Energy	100	0	0	0	100	0	0	0	0
Department of Health & Human Svcs	53,824	22,570	599	0	26,774	0	3,873	0	8
Department of the Interior	5,467	5,250	3	0	176	0	0	0	38
Department of Transportation	2,695	0	0	0	0	0	0	0	2,695
Environmental Protection Agency	639	0	0	0	600	0	39	0	0
National Aeronautics and Space Admin	1,400	0	204	0	1,196	0	0	0	0
National Science Foundation	8,019	0	486	0	7,533	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
California, total	15,600,123	1,749,647	8,747,014	14,327	2,069,206	2,290,375	577,895	132,236	19,423
Department of Agriculture	96,666	67,373	33	0	27,567	0	1,659	0	34
Department of Commerce	83,792	19,177	54,990	0	8,298	0	842	0	485
Department of Defense, research [2]	636,917	139,145	258,909	0	192,847	11,465	19,689	14,741	121
Department of Defense, total development [3]	8,614,987	1,184,501	7,256,022	1,426	35,064	37,892	2,889	97,193	0
Department of Energy	1,126,603	10,310	56,417	12,901	101,785	930,834	14,356	0	0
Department of Health & Human Svcs	1,728,128	6,347	91,175	0	1,157,925	27,624	428,937	14,987	1,133
Department of the Interior	40,721	31,731	1,778	0	6,427	0	112	0	673
Department of Transportation	37,903	1,959	15,802	0	4,389	0	1,928	0	13,825
Environmental Protection Agency	33,478	0	9,395	0	21,625	0	703	0	1,755
National Aeronautics and Space Admin	2,829,708	288,866	989,522	0	168,470	1,282,455	93,828	5,170	1,397
National Science Foundation	371,220	238	12,971	0	344,809	105	12,952	145	0
Colorado, total	1,438,682	238,003	622,424	0	299,380	77,480	61,389	133,433	6,573
Department of Agriculture	29,723	20,880	0	0	8,756	0	87	0	0
Department of Commerce	91,297	79,820	2,929	0	8,548	0	0	0	0
Department of Defense, research [2]	102,374	3,314	82,468	0	15,091	392	1,102	0	7
Department of Defense, total development [3]	474,536	48,578	420,024	0	2,224	2,145	1,515	50	0
Department of Energy	152,465	3,364	2,588	0	9,889	0	3,201	133,383	40
Department of Health & Human Svcs	219,109	16,658	8,183	0	154,008	0	38,783	0	1,477
Department of the Interior	56,598	51,820	308	0	3,917	0	214	0	339
Department of Transportation	26,038	4,119	17,117	0	725	0	0	0	4,077
Environmental Protection Agency	11,982	0	633	0	2,153	0	8,796	0	400
National Aeronautics and Space Admin	147,246	9,274	79,876	0	49,087	2,497	6,437	0	75
National Science Foundation	127,314	176	8,298	0	44,982	72,446	1,254	0	158
Connecticut, total	655,191	17,883	309,035	0	305,015	0	16,219	0	7,039
Department of Agriculture	7,589	2,532	0	0	3,523	0	0	0	1,534
Department of Commerce	9,302	1,388	5,681	0	2,233	0	0	0	0
Department of Defense, research [2]	20,688	647	11,254	0	7,181	0	1,606	0	0
Department of Defense, total development [3]	163,401	2,973	159,207	0	524	0	697	0	0
Department of Energy	50,895	0	40,087	0	10,808	0	0	0	0
Department of Health & Human Svcs	281,829	30	11,997	0	253,378	0	13,916	0	2,508
Department of the Interior	1,406	1,113	17	0	241	0	0	0	35
Department of Transportation	15,915	9,200	3,809	0	24	0	0	0	2,882
Environmental Protection Agency	934	0	660	0	194	0	0	0	80
National Aeronautics and Space Admin	76,266	0	73,825	0	2,441	0	0	0	0
National Science Foundation	26,966	0	2,498	0	24,468	0	0	0	0
Delaware, total	52,255	2,747	10,662	0	34,655	0	2,880	0	1,311
Department of Agriculture	5,258	1,464	0	0	3,775	0	0	0	19
Department of Commerce	2,304	817	226	0	1,261	0	0	0	0
Department of Defense, research [2]	11,252	231	4,987	0	5,935	0	99	0	0
Department of Defense, total development [3]	2,289	0	2,289	0	0	0	0	0	0
Department of Energy	2,046	0	84	0	1,962	0	0	0	0
Department of Health & Human Svcs	9,029	6	1,691	0	6,475	0	677	0	180
Department of the Interior	504	222	0	0	252	0	0	0	30
Department of Transportation	1,465	7	89	0	287	0	0	0	1,082
Environmental Protection Agency	874	0	0	0	874	0	0	0	0
National Aeronautics and Space Admin	4,256	0	1,096	0	2,125	0	1,035	0	0
National Science Foundation	12,978	0	200	0	11,709	0	1,069	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
District of Columbia, total	2,451,606	1,912,131	175,078	0	157,232	0	202,661	159	4,345
Department of Agriculture	174,269	158,047	14,615	0	1,033	0	574	0	0
Department of Commerce	16,630	15,072	82	0	825	0	651	0	0
Department of Defense, research[2]	284,314	247,625	19,327	0	13,017	0	2,407	159	1,779
Department of Defense, total development[3]	802,949	715,420	68,917	0	14,899	0	3,713	0	0
Department of Energy	422,461	406,447	2,225	0	1,372	0	12,417	0	0
Department of Health & Human Svcs	233,954	47,743	16,208	0	101,512	0	68,421	0	70
Department of the Interior	2,678	2,165	173	0	190	0	150	0	0
Department of Transportation	168,268	106,614	42,483	0	10,567	0	7,714	0	890
Environmental Protection Agency	59,829	42,241	5,580	0	501	0	10,251	0	1,256
National Aeronautics and Space Admin	208,128	167,534	4,842	0	7,177	0	28,225	0	350
National Science Foundation	78,126	3,223	626	0	6,139	0	68,138	0	0
Florida, total	2,284,405	763,344	1,160,539	0	331,613	0	16,258	0	12,651
Department of Agriculture	41,040	28,152	0	0	12,880	0	0	0	8
Department of Commerce	38,426	27,517	2,284	0	7,975	0	61	0	589
Department of Defense, research[2]	108,231	44,673	29,593	0	32,684	0	1,129	0	152
Department of Defense, total development[3]	1,385,084	415,084	962,500	0	4,480	0	20	0	3,000
Department of Energy	13,064	0	38	0	12,484	0	542	0	0
Department of Health & Human Svcs	185,551	30	7,195	0	167,963	0	10,032	0	331
Department of the Interior	23,259	21,212	205	0	1,731	0	0	0	111
Department of Transportation	9,765	1,170	1,035	0	535	0	0	0	7,025
Environmental Protection Agency	10,468	6,336	765	0	2,249	0	68	0	1,050
National Aeronautics and Space Admin	398,526	219,165	156,161	0	22,273	0	542	0	385
National Science Foundation	70,991	5	763	0	66,359	0	3,864	0	0
Georgia, total	2,023,240	278,552	1,421,682	0	301,009	0	14,542	0	7,455
Department of Agriculture	54,619	40,618	0	0	13,981	0	0	0	20
Department of Commerce	3,794	541	2,000	0	781	0	460	0	12
Department of Defense, research[2]	43,838	5,332	14,285	0	21,814	0	2,405	0	2
Department of Defense, total development[3]	1,459,960	52,425	1,394,000	0	12,217	0	1,318	0	0
Department of Energy	12,347	0	0	0	7,395	0	4,952	0	0
Department of Health & Human Svcs	354,325	158,556	3,294	0	188,235	0	3,926	0	314
Department of the Interior	10,189	9,465	63	0	581	0	0	0	80
Department of Transportation	6,479	283	411	0	383	0	0	0	5,402
Environmental Protection Agency	13,092	8,448	1,302	0	3,342	0	0	0	0
National Aeronautics and Space Admin	20,674	2,884	5,622	0	10,687	0	1,481	0	0
National Science Foundation	43,923	0	705	0	41,593	0	0	0	1,625
Hawaii, total	198,808	64,534	50,602	0	58,826	0	21,895	0	2,951
Department of Agriculture	20,228	11,398	0	0	3,461	0	5,364	0	5
Department of Commerce	15,068	10,605	0	0	3,798	0	560	0	105
Department of Defense, research[2]	18,011	5,373	8,026	0	2,919	0	0	0	1,693
Department of Defense, total development[3]	67,403	30,412	36,859	0	132	0	0	0	0
Department of Energy	2,984	0	0	0	2,821	0	163	0	0
Department of Health & Human Svcs	28,991	12	4,947	0	19,825	0	3,894	0	313
Department of the Interior	6,605	6,134	18	0	450	0	3	0	0
Department of Transportation	835	0	0	0	0	0	0	0	835
National Aeronautics and Space Admin	18,860	507	477	0	6,115	0	11,761	0	0
National Science Foundation	19,823	93	275	0	19,305	0	150	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Idaho, total	200,672	27,448	58,849	91,483	20,977	0	279	0	1,636
Department of Agriculture	19,566	14,418	0	0	5,148	0	0	0	0
Department of Commerce	1,403	1,328	0	0	0	0	75	0	0
Department of Defense, research[2]	2,575	189	44	497	1,845	0	0	0	0
Department of Defense, total development[3]	9,104	670	8,018	316	100	0	0	0	0
Department of Energy	143,078	0	49,562	90,360	3,156	0	0	0	0
Department of Health & Human Svcs	3,718	0	850	0	2,509	0	204	0	155
Department of the Interior	11,862	9,968	13	0	1,723	0	0	0	158
Department of Transportation	1,724	401	0	0	0	0	0	0	1,323
Environmental Protection Agency	594	0	0	0	594	0	0	0	0
National Aeronautics and Space Admin	1,552	474	362	310	406	0	0	0	0
National Science Foundation	5,496	0	0	0	5,496	0	0	0	0
Illinois, total	1,316,085	77,055	124,253	0	587,341	450,934	68,009	0	8,493
Department of Agriculture	46,049	34,964	3	0	10,740	0	70	0	272
Department of Commerce	4,953	208	3,123	0	557	105	400	0	560
Department of Defense, research[2]	56,628	9,414	7,593	0	36,467	2,777	377	0	0
Department of Defense, total development[3]	71,643	21,650	38,671	0	8,682	2,183	457	0	0
Department of Energy	499,681	3,624	7,496	0	42,885	445,343	333	0	0
Department of Health & Human Svcs	461,202	173	50,028	0	346,925	0	61,995	0	2,081
Department of the Interior	7,257	6,341	0	0	661	0	10	0	245
Department of Transportation	13,249	104	6,042	0	1,857	101	0	0	5,145
Environmental Protection Agency	6,146	0	4,353	0	1,793	0	0	0	0
National Aeronautics and Space Admin	17,256	577	4,956	0	10,187	416	930	0	190
National Science Foundation	132,021	0	1,988	0	126,587	9	3,437	0	0
Indiana, total	413,864	54,903	147,381	0	205,001	0	2,030	0	4,549
Department of Agriculture	17,845	5,784	0	0	12,022	0	0	0	39
Department of Commerce	1,902	103	773	0	1,026	0	0	0	0
Department of Defense, research[2]	32,730	4,659	14,277	0	12,339	0	1,455	0	0
Department of Defense, total development[3]	158,209	36,830	121,148	0	231	0	0	0	0
Department of Energy	16,533	0	190	0	16,343	0	0	0	0
Department of Health & Human Svcs	116,659	159	4,380	0	111,592	0	373	0	155
Department of the Interior	5,138	4,902	25	0	101	0	0	0	110
Department of Transportation	5,854	1,472	30	0	107	0	0	0	4,245
Environmental Protection Agency	645	0	153	0	492	0	0	0	0
National Aeronautics and Space Admin	10,689	994	6,212	0	3,281	0	202	0	0
National Science Foundation	47,660	0	193	0	47,467	0	0	0	0
Iowa, total	264,060	39,213	17,091	0	179,955	20,499	3,888	0	3,414
Department of Agriculture	48,606	31,751	0	0	16,820	0	35	0	0
Department of Commerce	226	0	206	0	20	0	0	0	0
Department of Defense, research[2]	7,684	0	2,882	0	4,722	80	0	0	0
Department of Defense, total development[3]	13,186	1,329	11,136	0	721	0	0	0	0
Department of Energy	27,638	0	45	0	5,094	20,419	2,080	0	0
Department of Health & Human Svcs	129,573	27	903	0	126,405	0	1,773	0	465
Department of the Interior	6,280	6,106	0	0	113	0	0	0	61
Department of Transportation	3,660	0	210	0	562	0	0	0	2,888
Environmental Protection Agency	896	0	70	0	826	0	0	0	0
National Aeronautics and Space Admin	10,624	0	1,639	0	8,985	0	0	0	0
National Science Foundation	15,687	0	0	0	15,687	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Kansas, total	191,603	35,743	68,276	0	82,240	0	1,334	0	4,010
Department of Agriculture	16,650	8,985	0	0	7,665	0	0	0	0
Department of Commerce	524	92	0	0	7	0	425	0	0
Department of Defense, research[2]	6,099	400	195	0	5,504	0	0	0	0
Department of Defense, total development[3]	49,547	17,189	32,176	0	182	0	0	0	0
Department of Energy	4,405	0	75	0	4,330	0	0	0	0
Department of Health & Human Svcs	80,015	649	34,913	0	42,401	0	711	0	1,341
Department of the Interior	8,587	8,428	14	0	95	0	0	0	50
Department of Transportation	2,647	0	50	0	151	0	0	0	2,446
Environmental Protection Agency	2,542	0	0	0	2,244	0	125	0	173
National Aeronautics and Space Admin	5,111	0	853	0	4,185	0	73	0	0
National Science Foundation	15,476	0	0	0	15,476	0	0	0	0
Kentucky, total	146,845	9,146	43,799	0	87,343	0	627	0	5,930
Department of Agriculture	9,136	6	0	0	9,130	0	0	0	0
Department of Commerce	364	64	6	0	0	0	0	0	294
Department of Defense, research[2]	4,245	1,116	1,249	0	1,880	0	0	0	0
Department of Defense, total development[3]	7,815	3,962	3,684	0	169	0	0	0	0
Department of Energy	3,715	0	0	0	3,715	0	0	0	0
Department of Health & Human Svcs	97,365	13	37,279	0	58,046	0	436	0	1,591
Department of the Interior	4,220	3,985	10	0	125	0	0	0	100
Department of Transportation	4,906	0	1,011	0	0	0	0	0	3,895
Environmental Protection Agency	451	0	37	0	244	0	120	0	50
National Aeronautics and Space Admin	1,573	0	123	0	1,379	0	71	0	0
National Science Foundation	13,055	0	400	0	12,655	0	0	0	0
Louisiana, total	219,218	58,976	11,039	0	137,798	0	4,058	0	7,347
Department of Agriculture	42,559	32,625	0	0	9,894	0	40	0	0
Department of Commerce	6,004	3,965	56	0	1,483	0	0	0	500
Department of Defense, research[2]	18,369	732	261	0	17,190	0	186	0	0
Department of Defense, total development[3]	16,489	2,061	6,173	0	7,284	0	971	0	0
Department of Energy	6,464	0	75	0	6,389	0	0	0	0
Department of Health & Human Svcs	78,323	3,981	100	0	71,396	0	2,846	0	0
Department of the Interior	18,905	15,563	768	0	2,508	0	15	0	51
Department of Transportation	3,166	0	50	0	40	0	0	0	3,076
Environmental Protection Agency	6,420	0	0	0	6,420	0	0	0	0
National Aeronautics and Space Admin	9,020	49	3,156	0	3,815	0	0	0	2,000
National Science Foundation	13,499	0	400	0	11,379	0	0	0	1,720
Maine, total	150,569	4,975	87,469	0	20,451	0	35,172	0	2,502
Department of Agriculture	4,615	1	0	0	4,559	0	0	0	55
Department of Commerce	2,158	479	0	0	1,023	0	656	0	0
Department of Defense, research[2]	11,566	52	5,354	0	5,636	0	524	0	0
Department of Defense, total development[3]	77,843	145	77,639	0	59	0	0	0	0
Department of Energy	1,394	0	0	0	85	0	559	0	750
Department of Health & Human Svcs	36,097	12	3,625	0	1,734	0	30,212	0	514
Department of the Interior	4,896	4,246	16	0	588	0	0	0	46
Department of Transportation	1,306	0	50	0	600	0	0	0	656
Environmental Protection Agency	224	0	224	0	0	0	0	0	0
National Aeronautics and Space Admin	2,883	40	63	0	1,048	0	1,251	0	481
National Science Foundation	7,587	0	498	0	5,119	0	1,970	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Maryland, total	8,094,369	4,814,517	2,042,833	152,395	892,533	700	184,657	879	5,855
Department of Agriculture	144,063	135,102	386	0	8,500	0	37	0	38
Department of Commerce	352,899	339,632	4,935	0	7,645	0	687	0	0
Department of Defense, research [2]	413,281	258,987	107,475	0	39,646	0	5,256	88	1,829
Department of Defense, total development [3]	2,163,048	1,034,074	914,805	0	201,200	700	11,424	791	54
Department of Energy	51,098	25,724	4,701	0	9,932	0	10,741	0	0
Department of Health & Human Svcs	3,502,254	2,593,742	275,317	152,395	434,405	0	45,847	0	548
Department of the Interior	16,501	15,883	135	0	427	0	0	0	56
Department of Transportation	37,969	10,026	20,353	0	4,347	0	110	0	3,133
Environmental Protection Agency	12,138	0	5,521	0	6,110	0	507	0	0
National Aeronautics and Space Admin	1,326,768	391,822	705,614	0	131,214	0	97,921	0	197
National Science Foundation	74,350	9,525	3,591	0	49,107	0	12,127	0	0
Massachusetts, total	3,129,401	240,059	925,914	468	894,594	183,211	804,838	75,151	5,166
Department of Agriculture	27,209	17,053	3,085	0	6,745	0	303	0	23
Department of Commerce	41,887	28,390	8,417	0	5,080	0	0	0	0
Department of Defense, research [2]	278,166	44,892	80,514	0	92,481	43,528	16,272	479	0
Department of Defense, total development [3]	1,001,682	102,361	648,022	468	17,395	139,683	19,081	74,672	0
Department of Energy	94,536	0	14,770	0	77,028	0	2,738	0	0
Department of Health & Human Svcs	1,308,083	1,374	115,747	0	492,266	0	697,324	0	1,372
Department of the Interior	5,935	4,519	191	0	1,202	0	23	0	0
Department of Transportation	44,697	30,177	9,409	0	1,340	0	0	0	3,771
Environmental Protection Agency	9,985	0	3,123	0	6,727	0	135	0	0
National Aeronautics and Space Admin	140,212	10,259	27,551	0	43,498	0	58,904	0	0
National Science Foundation	177,009	1,034	15,085	0	150,832	0	10,058	0	0
Michigan, total	839,757	149,473	166,114	0	502,219	0	15,694	0	6,257
Department of Agriculture	22,717	6,602	0	0	16,115	0	0	0	0
Department of Commerce	25,046	7,213	15,102	0	2,199	0	532	0	0
Department of Defense, research [2]	70,292	19,815	22,473	0	27,644	0	360	0	0
Department of Defense, total development [3]	181,923	102,134	67,232	0	7,986	0	4,566	0	5
Department of Energy	19,669	0	0	0	19,669	0	0	0	0
Department of Health & Human Svcs	349,571	687	21,577	0	320,038	0	6,417	0	852
Department of the Interior	13,480	13,017	7	0	345	0	0	0	111
Department of Transportation	12,039	5	4,381	0	2,364	0	0	0	5,289
Environmental Protection Agency	28,364	0	19,437	0	6,627	0	2,300	0	0
National Aeronautics and Space Admin	22,259	0	14,037	0	8,158	0	64	0	0
National Science Foundation	94,397	0	1,868	0	91,074	0	1,455	0	0
Minnesota, total	885,141	37,878	510,161	0	218,542	0	111,982	0	6,578
Department of Agriculture	25,601	15,832	0	0	9,270	0	286	0	213
Department of Commerce	7,493	305	5,113	0	993	0	1,082	0	0
Department of Defense, research [2]	36,067	406	23,667	0	7,959	0	4,035	0	0
Department of Defense, total development [3]	480,746	287	456,363	0	3,949	0	20,147	0	0
Department of Energy	8,056	0	0	0	8,053	0	3	0	0
Department of Health & Human Svcs	242,895	636	4,208	0	150,381	0	85,831	0	1,839
Department of the Interior	10,299	9,794	8	0	431	0	0	0	66
Department of Transportation	17,914	8	13,928	0	300	0	0	0	3,678
Environmental Protection Agency	13,428	10,560	1,074	0	1,012	0	0	0	782
National Aeronautics and Space Admin	7,622	50	4,402	0	3,170	0	0	0	0
National Science Foundation	35,020	0	1,398	0	33,024	0	598	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Mississippi, total	351,571	196,245	77,026	0	69,270	0	5,760	0	3,270
Department of Agriculture	71,827	49,899	0	0	20,885	0	1,043	0	0
Department of Commerce	10,297	9,727	0	0	421	0	149	0	0
Department of Defense, research [2]	51,783	39,047	3,554	0	9,179	0	0	0	3
Department of Defense, total development [3]	103,810	63,582	37,994	0	2,230	0	0	0	4
Department of Energy	1,723	0	86	0	1,637	0	0	0	0
Department of Health & Human Svcs	14,848	0	215	0	14,633	0	0	0	0
Department of the Interior	8,010	7,157	111	0	112	0	570	0	60
Department of Transportation	3,088	0	0	0	110	0	0	0	2,978
Environmental Protection Agency	640	0	460	0	180	0	0	0	0
National Aeronautics and Space Admin	73,750	26,833	34,356	0	8,338	0	3,998	0	225
National Science Foundation	11,795	0	250	0	11,545	0	0	0	0
Missouri, total	928,681	48,097	504,220	0	346,973	0	24,499	0	4,892
Department of Agriculture	24,470	10,957	0	0	13,424	0	0	0	89
Department of Commerce	237	28	150	0	59	0	0	0	0
Department of Defense, research [2]	36,928	1,992	27,359	0	7,576	0	0	0	1
Department of Defense, total development [3]	485,284	17,403	466,828	0	1,048	0	0	0	5
Department of Energy	4,601	0	130	0	4,198	0	273	0	0
Department of Health & Human Svcs	309,316	559	2,095	0	282,022	0	23,463	0	1,177
Department of the Interior	18,557	17,116	317	0	1,021	0	0	0	103
Department of Transportation	3,896	6	189	0	0	0	184	0	3,517
Environmental Protection Agency	8,049	0	0	0	8,049	0	0	0	0
National Aeronautics and Space Admin	12,266	36	7,052	0	4,864	0	314	0	0
National Science Foundation	25,077	0	100	0	24,712	0	265	0	0
Montana, total	95,446	42,816	5,048	0	35,474	0	8,335	0	3,773
Department of Agriculture	21,612	13,007	24	0	7,281	0	1,300	0	0
Department of Commerce	365	65	0	0	300	0	0	0	0
Department of Defense, research [2]	3,190	66	253	0	2,871	0	0	0	0
Department of Defense, total development [3]	2,653	6	1,741	0	906	0	0	0	0
Department of Energy	1,120	0	249	0	259	0	583	0	29
Department of Health & Human Svcs	26,044	13,321	1,247	0	8,983	0	2,173	0	320
Department of the Interior	17,493	16,263	22	0	1,066	0	0	0	142
Department of Transportation	2,455	0	23	0	50	0	0	0	2,382
Environmental Protection Agency	2,422	0	70	0	1,484	0	868	0	0
National Aeronautics and Space Admin	5,420	88	713	0	2,579	0	1,140	0	900
National Science Foundation	12,672	0	706	0	9,695	0	2,271	0	0
Nebraska, total	94,089	28,769	2,807	0	55,713	0	5,210	0	1,590
Department of Agriculture	29,750	21,128	0	0	8,622	0	0	0	0
Department of Commerce	650	114	0	0	12	0	524	0	0
Department of Defense, research [2]	3,636	0	652	0	2,984	0	0	0	0
Department of Defense, total development [3]	1,494	263	1,231	0	0	0	0	0	0
Department of Energy	939	0	0	0	939	0	0	0	0
Department of Health & Human Svcs	34,480	12	384	0	29,254	0	4,536	0	294
Department of the Interior	7,556	7,252	0	0	81	0	120	0	103
Department of Transportation	1,238	0	45	0	0	0	0	0	1,193
Environmental Protection Agency	300	0	0	0	270	0	30	0	0
National Aeronautics and Space Admin	2,148	0	77	0	2,071	0	0	0	0
National Science Foundation	11,898	0	418	0	11,480	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Nevada, total	279,129	27,843	219,650	0	28,387	0	1,437	0	1,812
Department of Agriculture	3,229	423	0	0	2,788	0	18	0	0
Department of Commerce	282	0	4	0	278	0	0	0	0
Department of Defense, research [2]	6,927	3,470	1,607	0	1,850	0	0	0	0
Department of Defense, total development [3]	9,284	2,667	6,567	0	50	0	0	0	0
Department of Energy	202,151	85	199,116	0	2,687	0	263	0	0
Department of Health & Human Svcs	15,502	0	4,121	0	9,887	0	1,156	0	338
Department of the Interior	11,592	10,303	0	0	1,173	0	0	0	116
Department of Transportation	6,893	0	4,579	0	1,000	0	0	0	1,314
Environmental Protection Agency	12,967	10,560	1,863	0	500	0	0	0	44
National Aeronautics and Space Admin	2,703	335	1,713	0	655	0	0	0	0
National Science Foundation	7,599	0	80	0	7,519	0	0	0	0
New Hampshire, total	291,723	28,353	178,325	0	80,232	0	1,718	0	3,095
Department of Agriculture	5,237	2,625	0	0	2,592	0	3	0	17
Department of Commerce	8,998	2,863	711	0	5,424	0	0	0	0
Department of Defense, research [2]	48,874	8,211	36,279	0	2,763	0	354	0	1,267
Department of Defense, total development [3]	143,748	11,254	130,999	0	335	0	1,160	0	0
Department of Energy	620	0	0	0	620	0	0	0	0
Department of Health & Human Svcs	48,007	6	3,117	0	43,955	0	102	0	827
Department of the Interior	2,045	1,890	0	0	95	0	0	0	60
Department of Transportation	3,237	0	342	0	1,971	0	0	0	924
Environmental Protection Agency	1,000	0	70	0	930	0	0	0	0
National Aeronautics and Space Admin	16,032	296	6,115	0	9,522	0	99	0	0
National Science Foundation	13,925	1,208	692	0	12,025	0	0	0	0
New Jersey, total	2,661,153	486,722	1,877,394	0	229,536	40,322	15,666	5,624	5,889
Department of Agriculture	6,938	8	0	0	6,919	0	0	0	11
Department of Commerce	30,325	19,517	6,922	0	3,886	0	0	0	0
Department of Defense, research [2]	119,371	57,760	41,180	0	20,184	80	165	0	2
Department of Defense, total development [3]	2,133,947	377,951	1,746,573	0	3,746	0	0	5,624	53
Department of Energy	61,543	0	5,917	0	15,355	39,914	357	0	0
Department of Health & Human Svcs	148,077	301	20,324	0	114,686	0	11,760	0	1,006
Department of the Interior	4,457	4,072	100	0	174	0	0	0	111
Department of Transportation	53,082	24,713	22,303	0	1,360	0	0	0	4,706
Environmental Protection Agency	4,443	0	211	0	1,453	0	2,779	0	0
National Aeronautics and Space Admin	44,530	2,400	32,059	0	9,648	0	423	0	0
National Science Foundation	54,440	0	1,805	0	52,125	328	182	0	0
New Mexico, total	2,068,291	409,886	168,267	696,216	106,169	659,753	23,427	0	4,573
Department of Agriculture	8,267	4,019	26	0	4,089	0	133	0	0
Department of Commerce	971	0	805	0	164	2	0	0	0
Department of Defense, research [2]	131,702	77,110	34,386	9,499	8,326	2,001	380	0	0
Department of Defense, total development [3]	486,819	284,102	120,070	55,288	9,310	15,599	0	0	2,450
Department of Energy	1,301,704	7,615	1,061	631,029	15,794	631,471	14,734	0	0
Department of Health & Human Svcs	56,807	2,892	2,630	0	38,575	9,157	3,398	0	155
Department of the Interior	12,496	11,361	67	0	940	0	0	0	128
Department of Transportation	7,923	4,465	0	400	528	900	0	0	1,630
Environmental Protection Agency	4,042	0	503	0	145	0	3,184	0	210
National Aeronautics and Space Admin	42,521	18,089	7,264	0	16,179	583	406	0	0
National Science Foundation	15,039	233	1,455	0	12,119	40	1,192	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
New York, total	2,689,016	132,848	726,623	0	1,226,895	104	274,887	248,758	78,901
Department of Agriculture	37,599	18,601	0	0	16,995	0	1,876	0	127
Department of Commerce	20,689	877	12,571	0	6,256	0	502	3	480
Department of Defense, research [2]	136,318	51,480	33,323	0	49,192	104	2,024	189	6
Department of Defense, total development [3]	412,924	35,040	363,890	0	10,398	0	1,132	2,464	0
Department of Energy	572,163	1,230	263,190	0	62,521	0	2,659	242,563	0
Department of Health & Human Svcs	1,219,299	8,120	26,131	0	868,400	0	246,346	347	69,955
Department of the Interior	9,801	8,603	46	0	1,085	0	0	0	67
Department of Transportation	12,482	0	3,794	0	1,992	0	0	0	6,696
Environmental Protection Agency	12,437	0	2,859	0	5,070	0	4,508	0	0
National Aeronautics and Space Admin	64,242	8,897	17,676	0	28,083	0	7,001	2,585	0
National Science Foundation	191,062	0	3,143	0	176,903	0	8,839	607	1,570
North Carolina, total	1,007,518	230,780	135,448	0	564,348	0	71,752	0	5,190
Department of Agriculture	40,158	20,226	0	0	19,845	0	87	0	0
Department of Commerce	12,707	3,121	5,696	0	3,723	0	167	0	0
Department of Defense, research [2]	63,190	16,703	11,674	0	32,832	0	1,882	0	99
Department of Defense, total development [3]	73,657	22,522	44,959	0	6,018	0	158	0	0
Department of Energy	16,301	351	0	0	14,250	0	1,700	0	0
Department of Health & Human Svcs	607,636	93,506	29,378	0	423,313	0	61,403	0	36
Department of the Interior	8,740	6,695	1,652	0	205	0	69	0	119
Department of Transportation	6,524	0	80	0	1,508	0	0	0	4,936
Environmental Protection Agency	116,893	67,586	39,011	0	6,552	0	3,744	0	0
National Aeronautics and Space Admin	12,977	70	2,265	0	8,497	0	2,145	0	0
National Science Foundation	48,735	0	733	0	47,605	0	397	0	0
North Dakota, total	59,947	30,561	1,592	0	25,538	0	920	0	1,336
Department of Agriculture	28,349	21,823	0	0	6,526	0	0	0	0
Department of Commerce	508	168	0	0	340	0	0	0	0
Department of Defense, research [2]	2,718	0	0	0	2,718	0	0	0	0
Department of Defense, total development [3]	1,102	130	972	0	0	0	0	0	0
Department of Energy	6,027	0	547	0	5,480	0	0	0	0
Department of Health & Human Svcs	5,482	12	0	0	4,378	0	920	0	172
Department of the Interior	8,525	8,428	3	0	68	0	0	0	26
Department of Transportation	1,138	0	0	0	0	0	0	0	1,138
Environmental Protection Agency	292	0	70	0	222	0	0	0	0
National Aeronautics and Space Admin	1,794	0	0	0	1,794	0	0	0	0
National Science Foundation	4,012	0	0	0	4,012	0	0	0	0
Ohio, total	3,687,855	604,957	2,544,092	0	399,175	46	132,489	0	7,096
Department of Agriculture	17,014	7,330	0	0	9,321	0	350	0	13
Department of Commerce	6,617	114	4,732	0	1,112	0	134	0	525
Department of Defense, research [2]	260,222	148,441	67,061	0	31,839	46	12,658	0	177
Department of Defense, total development [3]	2,387,168	126,617	2,245,315	0	8,780	0	6,456	0	0
Department of Energy	18,047	0	7,891	0	9,872	0	284	0	0
Department of Health & Human Svcs	415,955	43,058	10,217	0	275,842	0	86,156	0	682
Department of the Interior	6,551	6,057	11	0	379	0	0	0	104
Department of Transportation	19,283	8,448	1,223	0	2,135	0	3,000	0	4,477
Environmental Protection Agency	57,969	40,129	8,699	0	2,329	0	6,573	0	239
National Aeronautics and Space Admin	452,980	224,763	195,651	0	15,209	0	16,478	0	879
National Science Foundation	46,049	0	3,292	0	42,357	0	400	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Oklahoma, total	165,818	45,912	39,049	0	63,265	0	14,697	0	2,895
Department of Agriculture	19,546	11,034	0	0	8,512	0	0	0	0
Department of Commerce	7,153	6,856	7	0	290	0	0	0	0
Department of Defense, research[2]	8,657	272	5,579	0	2,806	0	0	0	0
Department of Defense, total development[3]	21,080	5,099	15,921	0	60	0	0	0	0
Department of Energy	18,088	1,532	8,972	0	6,053	0	1,531	0	0
Department of Health & Human Svcs	40,886	15	539	0	27,378	0	12,565	0	389
Department of the Interior	7,208	6,893	0	0	243	0	0	0	72
Department of Transportation	14,269	7,619	3,997	0	219	0	0	0	2,434
Environmental Protection Agency	12,158	6,336	3,436	0	2,386	0	0	0	0
National Aeronautics and Space Admin	2,683	256	266	0	2,111	0	50	0	0
National Science Foundation	14,090	0	332	0	13,207	0	551	0	0
Oregon, total	408,099	89,369	86,604	0	199,159	0	24,998	0	7,969
Department of Agriculture	37,894	25,221	0	0	12,673	0	0	0	0
Department of Commerce	16,365	12,653	952	0	2,315	0	0	0	445
Department of Defense, research[2]	25,877	0	14,697	0	11,180	0	0	0	0
Department of Defense, total development[3]	2,272	267	736	0	1,264	0	5	0	0
Department of Energy	37,184	24,687	6,458	0	3,441	0	98	0	2,500
Department of Health & Human Svcs	208,109	32	53,342	0	127,897	0	24,676	0	2,162
Department of the Interior	16,731	15,872	19	0	650	0	0	0	190
Department of Transportation	2,796	0	91	0	468	0	0	0	2,237
Environmental Protection Agency	17,805	10,560	4,965	0	1,820	0	25	0	435
National Aeronautics and Space Admin	9,494	77	4,072	0	5,170	0	175	0	0
National Science Foundation	33,572	0	1,272	0	32,281	0	19	0	0
Pennsylvania, total	1,907,139	168,382	597,896	0	953,933	16,927	162,588	0	7,413
Department of Agriculture	46,744	35,745	0	0	10,728	0	206	0	65
Department of Commerce	4,803	243	2,502	0	938	0	520	0	600
Department of Defense, research[2]	183,399	1,349	78,483	0	83,744	16,131	3,692	0	0
Department of Defense, total development[3]	331,168	51,355	223,849	0	48,572	796	6,596	0	0
Department of Energy	327,308	43,365	256,812	0	23,545	0	3,586	0	0
Department of Health & Human Svcs	847,209	27,040	14,360	0	662,996	0	141,972	0	841
Department of the Interior	8,188	7,534	109	0	470	0	0	0	75
Department of Transportation	10,114	0	1,838	0	2,409	0	35	0	5,832
Environmental Protection Agency	5,718	0	437	0	3,580	0	1,701	0	0
National Aeronautics and Space Admin	39,333	1,751	18,277	0	16,856	0	2,449	0	0
National Science Foundation	103,155	0	1,229	0	100,095	0	1,831	0	0
Rhode Island, total	391,717	232,701	55,254	0	68,546	0	33,570	0	1,646
Department of Agriculture	2,598	0	0	0	2,560	0	38	0	0
Department of Commerce	5,762	1,728	1,232	0	2,262	0	0	0	540
Department of Defense, research[2]	32,359	21,122	2,694	0	8,438	0	105	0	0
Department of Defense, total development[3]	246,499	199,810	46,559	0	130	0	0	0	0
Department of Energy	2,716	0	0	0	2,678	0	38	0	0
Department of Health & Human Svcs	61,896	15	2,049	0	28,694	0	30,790	0	348
Department of the Interior	2,991	1,558	740	0	682	0	11	0	0
Department of Transportation	992	20	5	0	209	0	0	0	758
Environmental Protection Agency	10,245	8,448	1,584	0	213	0	0	0	0
National Aeronautics and Space Admin	3,818	0	391	0	2,841	0	586	0	0
National Science Foundation	21,841	0	0	0	19,839	0	2,002	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
South Carolina, total	215,941	45,050	30,369	28,771	108,437	0	1,461	5	1,848
Department of Agriculture	16,894	8,800	0	0	8,094	0	0	0	0
Department of Commerce	9,159	5,712	0	0	3,447	0	0	0	0
Department of Defense, research [2]	12,738	3,078	517	0	9,122	0	21	0	0
Department of Defense, total development [3]	50,436	21,603	24,945	0	3,206	0	682	0	0
Department of Energy	40,176	0	1,612	28,771	9,728	0	60	5	0
Department of Health & Human Svcs	56,180	21	3,086	0	51,496	0	589	0	988
Department of the Interior	4,907	4,570	46	0	189	0	0	0	102
Department of Transportation	1,165	0	64	0	343	0	0	0	758
Environmental Protection Agency	1,960	0	0	0	1,960	0	0	0	0
National Aeronautics and Space Admin	3,156	1,266	0	0	1,890	0	0	0	0
National Science Foundation	19,170	0	99	0	18,962	0	109	0	0
South Dakota, total	38,951	20,709	6,221	0	10,614	0	370	0	1,037
Department of Agriculture	7,265	3,899	0	0	3,366	0	0	0	0
Department of Commerce	608	108	0	0	500	0	0	0	0
Department of Defense, research [2]	709	50	55	0	604	0	0	0	0
Department of Defense, total development [3]	676	570	56	0	50	0	0	0	0
Department of Energy	50	0	0	0	50	0	0	0	0
Department of Health & Human Svcs	3,893	6	1,840	0	1,527	0	370	0	150
Department of the Interior	14,501	10,644	3,607	0	250	0	0	0	0
Department of Transportation	952	0	65	0	0	0	0	0	887
Environmental Protection Agency	432	0	0	0	432	0	0	0	0
National Aeronautics and Space Admin	6,561	5,432	0	0	1,129	0	0	0	0
National Science Foundation	3,304	0	598	0	2,706	0	0	0	0
Tennessee, total	684,712	64,783	53,727	319,899	201,458	7,527	34,036	0	[illegible],282
Department of Agriculture	9,831	1	20	0	9,810	0	0	0	0
Department of Commerce	1,509	875	68	100	106	0	0	0	360
Department of Defense, research [2]	18,123	2,136	3,812	3,607	8,473	0	0	0	95
Department of Defense, total development [3]	61,885	45,808	11,607	3,546	905	5	0	0	14
Department of Energy	339,012	1,504	10,269	311,556	8,220	7,230	233	0	0
Department of Health & Human Svcs	190,482	1,543	4,585	0	150,319	292	33,743	0	0
Department of the Interior	7,024	5,652	241	0	894	0	0	0	237
Department of Transportation	6,732	1,919	1,517	450	270	0	0	0	2,576
Environmental Protection Agency	916	0	536	0	380	0	0	0	0
National Aeronautics and Space Admin	29,693	5,335	20,358	565	3,435	0	0	0	0
National Science Foundation	19,505	10	714	75	18,646	0	60	0	0
Texas, total	3,853,339	584,149	2,376,351	0	801,277	0	77,689	2,367	11,506
Department of Agriculture	72,661	52,942	0	0	19,608	0	11	0	100
Department of Commerce	9,309	2,370	3,695	0	2,750	0	494	0	0
Department of Defense, research [2]	138,693	50,304	41,544	0	44,103	0	2,742	0	0
Department of Defense, total development [3]	811,157	55,680	726,501	0	25,679	0	930	2,367	0
Department of Energy	24,310	0	1,003	0	22,904	0	70	0	333
Department of Health & Human Svcs	629,695	2,586	13,801	0	569,025	0	44,055	0	228
Department of the Interior	32,857	25,740	571	0	6,314	0	100	0	132
Department of Transportation	15,838	250	4,822	0	1,009	0	95	0	9,662
Environmental Protection Agency	24,166	0	12,355	0	8,502	0	2,824	0	485
National Aeronautics and Space Admin	2,017,403	394,277	1,569,236	0	27,930	0	25,394	0	566
National Science Foundation	77,250	0	2,823	0	73,453	0	974	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Utah, total	305,019	74,129	61,297	0	161,857	0	3,870	0	3,866
Department of Agriculture	15,977	9,204	0	0	6,663	0	0	0	110
Department of Commerce	1,931	88	1,227	0	211	0	405	0	0
Department of Defense, research[2]	14,542	466	5,808	0	8,267	0	1	0	0
Department of Defense, total development[3]	111,955	52,810	43,803	0	14,670	0	670	0	2
Department of Energy	7,806	0	960	0	6,546	0	0	0	300
Department of Health & Human Svcs	96,460	1,479	5,009	0	87,070	0	2,794	0	108
Department of the Interior	10,918	9,632	67	0	1,080	0	0	0	139
Department of Transportation	3,215	0	8	0	0	0	0	0	3,207
Environmental Protection Agency	808	0	0	0	808	0	0	0	0
National Aeronautics and Space Admin	15,846	450	3,375	0	12,021	0	0	0	0
National Science Foundation	25,561	0	1,040	0	24,521	0	0	0	0
Vermont, total	61,707	4,065	9,900	0	44,462	0	1,742	0	1,538
Department of Agriculture	6,495	1,737	0	0	4,744	0	0	0	14
Department of Commerce	423	83	0	0	340	0	0	0	0
Department of Defense, research[2]	2,331	577	1,026	0	728	0	0	0	0
Department of Defense, total development[3]	7,686	260	7,426	0	0	0	0	0	0
Department of Energy	917	0	372	0	545	0	0	0	0
Department of Health & Human Svcs	37,376	6	236	0	34,903	0	1,562	0	669
Department of the Interior	1,507	1,402	8	0	76	0	0	0	21
Department of Transportation	578	0	0	0	0	0	0	0	578
Environmental Protection Agency	561	0	0	0	125	0	180	0	256
National Aeronautics and Space Admin	625	0	482	0	143	0	0	0	0
National Science Foundation	3,208	0	350	0	2,858	0	0	0	0
Virginia, total	5,750,372	1,793,639	3,403,377	4,405	263,998	64,041	54,641	157,991	8,280
Department of Agriculture	10,374	784	226	0	9,364	0	0	0	0
Department of Commerce	25,272	16,463	6,451	0	2,009	0	349	0	0
Department of Defense, research[2]	467,967	166,113	249,787	3,722	30,644	245	7,049	10,381	26
Department of Defense, total development[3]	4,219,299	1,264,440	2,788,285	683	18,159	0	5,222	142,470	40
Department of Energy	81,649	4,123	4,363	0	6,791	63,796	2,576	0	0
Department of Health & Human Svcs	205,582	16,433	39,236	0	133,670	0	16,008	0	235
Department of the Interior	52,033	50,145	1,239	0	544	0	59	0	46
Department of Transportation	40,177	1,632	26,366	0	2,284	0	554	5,140	4,201
Environmental Protection Agency	21,295	0	16,625	0	905	0	3,765	0	0
National Aeronautics and Space Admin	568,633	268,320	263,168	0	21,057	0	12,625	0	3,463
National Science Foundation	58,091	5,186	7,631	0	38,571	0	6,434	0	269
Washington, total	1,306,757	191,104	367,398	0	416,548	0	175,105	151,148	5,454
Department of Agriculture	40,533	25,816	17	0	14,280	0	5	0	415
Department of Commerce	73,046	68,054	1,140	0	3,848	0	4	0	0
Department of Defense, research[2]	46,025	5,986	15,348	0	22,739	0	908	1,020	24
Department of Defense, total development[3]	338,863	67,756	260,955	0	4,177	0	296	5,674	5
Department of Energy	166,272	71	3,269	0	22,343	0	712	139,877	0
Department of Health & Human Svcs	478,741	9,064	23,570	0	273,678	0	166,187	4,297	1,945
Department of the Interior	13,524	10,383	14	0	2,871	0	0	0	256
Department of Transportation	6,735	406	3,483	0	394	0	15	0	2,437
Environmental Protection Agency	7,475	0	70	0	7,033	0	0	0	372
National Aeronautics and Space Admin	76,276	3,078	57,177	0	10,484	0	5,257	280	0
National Science Foundation	59,267	490	2,355	0	54,701	0	1,721	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

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State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
West Virginia, total	227,023	116,330	42,758	0	28,307	33,132	4,726	0	1,770
Department of Agriculture	23,792	18,089	0	0	5,339	0	98	0	266
Department of Commerce	395	70	0	0	325	0	0	0	0
Department of Defense, research[2]	1,937	0	0	0	1,937	0	0	0	0
Department of Defense, total development[3]	17,254	1	15,631	0	46	0	1,576	0	0
Department of Energy	61,806	44,442	12,233	0	3,510	0	1,495	0	126
Department of Health & Human Svcs	56,376	45,965	196	0	9,480	0	545	0	190
Department of the Interior	8,065	7,763	8	0	108	0	0	0	186
Department of Transportation	2,593	0	741	0	850	0	0	0	1,002
National Aeronautics and Space Admin	18,189	0	10,621	0	6,581	0	987	0	0
National Science Foundation	36,616	0	3,328	0	131	33,132	25	0	0
Wisconsin, total	377,801	41,110	19,094	0	298,239	0	14,783	0	4,575
Department of Agriculture	38,269	25,029	47	0	13,078	0	58	0	57
Department of Commerce	3,127	600	570	0	1,957	0	0	0	0
Department of Defense, research[2]	9,687	96	2,224	0	7,367	0	0	0	0
Department of Defense, total development[3]	4,532	0	3,076	0	1,456	0	0	0	0
Department of Energy	20,468	0	0	0	20,468	0	0	0	0
Department of Health & Human Svcs	219,342	94	4,836	0	198,484	0	14,632	0	1,296
Department of the Interior	15,862	15,291	4	0	435	0	0	0	132
Department of Transportation	3,886	0	825	0	561	0	0	0	2,500
Environmental Protection Agency	1,912	0	178	0	1,094	0	50	0	590
National Aeronautics and Space Admin	17,862	0	7,289	0	10,530	0	43	0	0
National Science Foundation	42,854	0	45	0	42,809	0	0	0	0
Wyoming, total	35,219	15,508	933	0	14,495	0	3,218	0	1,065
Department of Agriculture	8,405	5,916	0	0	2,489	0	0	0	0
Department of Commerce	25	0	0	0	25	0	0	0	0
Department of Defense, research[2]	569	0	84	0	485	0	0	0	0
Department of Defense, total development[3]	160	1	0	0	159	0	0	0	0
Department of Energy	4,190	0	0	0	889	0	3,218	0	83
Department of Health & Human Svcs	1,646	9	500	0	1,083	0	0	0	54
Department of the Interior	9,905	9,582	0	0	283	0	0	0	40
Department of Transportation	3,737	0	55	0	2,794	0	0	0	888
National Aeronautics and Space Admin	438	0	0	0	438	0	0	0	0
National Science Foundation	6,144	0	294	0	5,850	0	0	0	0
Outlying areas, total[4]	133,110	55,157	11,749	35	56,857	8,747	12	0	553
Department of Agriculture	13,781	5,043	10	0	8,716	0	12	0	0
Department of Commerce	1,434	1,006	0	0	423	0	0	0	5
Department of Defense, research[2]	1,614	0	0	0	1,614	0	0	0	0
Department of Defense, total development[3]	45,712	37,890	7,545	35	242	0	0	0	0
Department of Energy	985	0	0	0	985	0	0	0	0
Department of Health & Human Svcs	38,222	1,744	4,183	0	31,747	0	0	0	548
Department of the Interior	9,501	9,074	11	0	416	0	0	0	0
Department of Transportation	994	400	0	0	594	0	0	0	0
National Aeronautics and Space Admin	3,755	0	0	0	3,755	0	0	0	0
National Science Foundation	17,112	0	0	0	8,365	8,747	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-85. Federal obligations for research and development, by State, selected agency, and performer: fiscal year 1999

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Puerto Rico, total[4]	72,709	8,548	4,193	0	50,661	8,747	12	0	548
Department of Agriculture	9,542	5,043	10	0	4,477	0	12	0	0
Department of Commerce	966	596	0	0	370	0	0	0	0
Department of Defense, research[2]	1,355	0	0	0	1,355	0	0	0	0
Department of Defense, total development[3]	8	8	0	0	0	0	0	0	0
Department of Energy	985	0	0	0	985	0	0	0	0
Department of Health & Human Svcs	37,065	1,122	4,183	0	31,212	0	0	0	548
Department of the Interior	1,847	1,779	0	0	68	0	0	0	0
Department of Transportation	74	0	0	0	74	0	0	0	0
National Aeronautics and Space Admin	3,755	0	0	0	3,755	0	0	0	0
National Science Foundation	17,112	0	0	0	8,365	8,747	0	0	0
Other areas, total[4]	60,401	46,609	7,556	35	6,196	0	0	0	5
Department of Agriculture	4,239	0	0	0	4,239	0	0	0	0
Department of Commerce	468	410	0	0	53	0	0	0	5
Department of Defense, research[2]	259	0	0	0	259	0	0	0	0
Department of Defense, total development[3]	45,704	37,882	7,545	35	242	0	0	0	0
Department of Health & Human Svcs	1,157	622	0	0	535	0	0	0	0
Department of the Interior	7,654	7,295	11	0	348	0	0	0	0
Department of Transportation	920	400	0	0	520	0	0	0	0
Offices abroad, total	19,823	18,904	681	0	218	0	20	0	0
Department of Agriculture	3,784	3,764	0	0	0	0	20	0	0
Department of Defense, research[2]	2,686	2,468	0	0	218	0	0	0	0
Department of Defense, total development[3]	13,353	12,672	681	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

[3] Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, this table shows only total development.

[4] Outlying areas, total represents the sum of Puerto Rico, total and Other areas, total.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency, the National Aeronautics and Space Administration, and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1999.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-86. Federal obligations for R&D plant for selected agencies, by State and category of performer supported: fiscal year 1999

[Dollars in thousands]

Page 1 of 2

State	Total	Intra-mural 1	Extramural						
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Total	2,042,269	479,912	544,548	172,829	141,193	615,542	12,215	70,740	5,290
Alabama	66,576	6,437	53,178	0	1,160	5,801	0	0	0
Arizona	1,098	427	7	0	664	0	0	0	0
Arkansas	3,027	3,027	0	0	0	0	0	0	0
California	467,742	11,720	36,073	5,073	24,805	389,530	541	0	0
Colorado	43,238	6,096	13,916	0	3,281	15,727	0	4,218	0
Connecticut	2,289	120	0	0	2,169	0	0	0	0
Delaware	1,086	157	0	0	429	0	500	0	0
District of Columbia	53,687	24,018	24,294	0	935	0	4,440	0	0
Florida	56,188	4,317	49,870	0	2,001	0	0	0	0
Georgia	8,540	2,652	5,161	0	727	0	0	0	0
Hawaii	9,304	1,351	7,953	0	0	0	0	0	0
Idaho	8,227	1,098	5,926	1,203	0	0	0	0	0
Illinois	151,478	8,634	3,177	0	16,880	122,787	0	0	0
Indiana	6,747	212	2,655	0	3,880	0	0	0	0
Iowa	6,229	1,675	0	0	688	3,866	0	0	0
Kansas	3,960	2,009	0	0	1,906	45	0	0	0
Kentucky	131	0	0	0	131	0	0	0	0
Louisiana	28,803	7,376	20,013	0	1,414	0	0	0	0
Maine	1,515	0	0	0	515	0	1,000	0	0
Maryland	302,163	253,221	45,236	1,042	889	0	1,775	0	0
Massachusetts	20,253	576	2,083	0	17,594	0	0	0	0
Michigan	5,862	1,953	87	0	3,822	0	0	0	0
Minnesota	7,243	1,295	5,839	0	109	0	0	0	0
Mississippi	26,780	10,367	15,182	0	1,231	0	0	0	0
Missouri	1,833	251	0	0	1,582	0	0	0	0
Montana	1,421	927	220	0	274	0	0	0	0
Nebraska	878	878	0	0	0	0	0	0	0
Nevada	14,703	0	14,150	0	553	0	0	0	0
New Hampshire	528	32	0	0	496	0	0	0	0
New Jersey	30,813	192	10,427	0	739	13,165	1,000	0	5,290
New Mexico	99,814	12,123	7,367	33,866	284	46,174	0	0	0
New York	88,993	3,167	7,270	0	22,547	0	224	55,785	0
North Carolina	37,953	276	37,191	0	486	0	0	0	0
North Dakota	2,311	1,594	0	0	717	0	0	0	0
Ohio	108,050	30,670	74,178	0	3,202	0	0	0	0
Oklahoma	7,767	2,520	3,548	0	699	0	1,000	0	0
Oregon	8,944	1,485	5,800	0	1,659	0	0	0	0
Pennsylvania	28,046	11,418	9,815	0	6,813	0	0	0	0
Rhode Island	15,425	9,123	4,640	0	1,662	0	0	0	0
South Carolina	18,546	16,474	0	0	2,072	0	0	0	0
South Dakota	156	92	2	0	62	0	0	0	0
Tennessee	135,428	715	1,750	131,645	134	1,184	0	0	0
Texas	44,130	4,247	35,270	0	3,878	0	735	0	0
Utah	1,172	295	0	0	877	0	0	0	0
Vermont	508	248	0	0	260	0	0	0	0
Virginia	61,338	16,268	34,873	0	1,909	8,288	0	0	0
Washington	14,861	702	0	0	2,422	0	1,000	10,737	0
West Virginia	25,007	14,782	1,250	0	0	8,975	0	0	0
Wisconsin	3,184	1,031	0	0	2,153	0	0	0	0
Wyoming	322	322	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-86. Federal obligations for R&D plant for selected agencies, by State and category of performer supported: fiscal year 1999

[Dollars in thousands]

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State	Total	Intra-mural [1]	Extramural						
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Outlying areas	7,495	865	6,147	0	483	0	0	0	0
Puerto Rico	1,310	865	0	0	445	0	0	0	0
Other areas	6,185	0	6,147	0	38	0	0	0	0
Offices abroad	477	477	0	0	0	0	0	0	0

[1] Federal installations

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 99 percent of total Federal R&D plant obligations in fiscal year 1999.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-87. Federal obligations for R&D plant, by State and selected agency: fiscal year 1999

[Dollars in thousands]

State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	2,042,269	131,086	19,603	107,560	866,205	252,818	1,390	14,567	116,000	359,500	173,540
Alabama	66,576	6,313	0	4,453	5,801	1,000	0	0	0	48,852	157
Arizona	1,098	427	0	7	0	0	0	0	0	0	664
Arkansas	3,027	833	0	0	0	2,194	0	0	0	0	0
California	467,742	4,033	0	7,015	386,355	3,977	0	0	0	45,066	21,296
Colorado	43,238	791	5,223	104	4,218	1,001	0	17	0	81	31,803
Connecticut	2,289	0	0	120	275	1,000	0	260	0	0	634
Delaware	1,086	157	0	0	0	0	0	0	0	0	929
District of Columbia	53,687	765	0	11	317	1,598	0	0	23,200	1,101	26,695
Florida	56,188	3,906	0	51	0	0	0	0	3,480	46,750	2,001
Georgia	8,540	2,648	0	46	0	4	0	0	4,640	475	727
Hawaii	9,304	1,351	0	7,953	0	0	0	0	0	0	0
Idaho	8,227	1,098	0	0	7,129	0	0	0	0	0	0
Illinois	151,478	8,460	0	3,267	122,787	4	0	0	0	80	16,880
Indiana	6,747	212	0	0	325	1,000	0	0	0	2,655	2,555
Iowa	6,229	1,675	0	0	3,909	0	0	0	0	0	645
Kansas	3,960	2,009	0	0	295	1,000	0	0	0	0	656
Kentucky	131	0	0	0	0	0	0	0	0	0	131
Louisiana	28,803	6,745	0	2	0	1,167	0	0	0	20,011	878
Maine	1,515	0	0	0	0	1,000	0	0	0	0	515
Maryland	302,163	21,640	14,380	1,546	21	219,932	5	0	0	43,848	791
Massachusetts	20,253	1,150	0	282	6,366	989	0	0	0	1,801	9,665
Michigan	5,862	1,927	0	113	395	850	0	0	0	0	2,577
Minnesota	7,243	1,295	0	92	0	0	0	0	5,800	35	21
Mississippi	26,780	3,841	0	729	8	1,000	0	0	0	20,979	223
Missouri	1,833	251	0	0	0	0	0	0	0	0	1,582
Montana	1,421	927	0	20	0	0	0	0	0	200	274
Nebraska	878	878	0	0	0	0	0	0	0	0	0
Nevada	14,703	0	0	0	8,350	0	0	0	5,800	0	553
New Hampshire	528	0	0	0	0	0	0	0	0	0	528
New Jersey	30,813	0	0	237	13,165	1,000	1,382	14,290	0	0	739
New Mexico	99,814	683	0	11,010	80,030	0	0	0	0	7,807	284
New York	88,993	3,088	0	135	62,935	1,064	0	0	0	0	21,771
North Carolina	37,953	276	0	0	200	0	0	0	37,120	71	286
North Dakota	2,311	1,594	0	0	0	717	0	0	0	0	0
Ohio	108,050	159	0	35,889	0	3,040	0	0	22,040	46,750	172
Oklahoma	7,767	2,520	0	0	68	1,203	0	0	3,480	0	496
Oregon	8,944	1,485	0	0	0	1,093	0	0	5,800	0	566
Pennsylvania	28,046	9,013	0	2,405	9,024	958	0	0	0	791	5,855
Rhode Island	15,425	0	0	9,123	0	0	0	0	4,640	0	1,662
South Carolina	18,546	16,474	0	0	0	1,000	0	0	0	0	1,072
South Dakota	156	92	0	2	0	0	0	0	0	0	62
Tennessee	135,428	0	0	291	132,783	0	0	0	0	2,220	134
Texas	44,130	4,217	0	42	252	1,597	3	0	0	35,245	2,774
Utah	1,172	295	0	0	0	0	0	0	0	0	877
Vermont	508	248	0	0	0	0	0	0	0	0	260
Virginia	61,338	0	0	16,372	8,288	907	0	0	0	34,232	1,539
Washington	14,861	701	0	0	11,659	2,501	0	0	0	0	0
West Virginia	25,007	14,332	0	0	1,250	0	0	0	0	450	8,975
Wisconsin	3,184	1,031	0	0	0	0	0	0	0	0	2,153
Wyoming	322	322	0	0	0	0	0	0	0	0	0
Outlying areas	7,495	843	0	6,147	0	22	0	0	0	0	483
Puerto Rico	1,310	843	0	0	0	22	0	0	0	0	445
Other areas	6,185	0	0	6,147	0	0	0	0	0	0	38
Offices abroad	477	381	0	96	0	0	0	0	0	0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Interior, and Transportation, the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 99 percent of total Federal R&D plant obligations in fiscal year 1999.

KEY:

EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-88. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	18,084,701	7,687,051	43	19,072,771	8,196,572	43	19,352,385	8,279,318	43
Departments:									
Department of Agriculture, total	1,082,741	637,273	59	1,133,917	679,681	60	1,250,502	717,772	57
Agricultural Marketing Service	4,408	1,926	44	5,017	2,157	43	5,317	2,293	43
Agricultural Research Service	802,644	439,447	55	840,566	468,868	56	927,899	505,406	54
Animal & Plant Hlth Inspection Svc	14,308	9,518	67	17,547	11,756	67	18,347	12,292	67
Cooperative State Research, Education, & Extension Service	26,053	12,633	48	30,744	14,277	46	29,632	15,026	51
Economic Research Service	52,617	39,783	76	52,854	39,982	76	51,924	41,342	80
Food Safety Inspection Service	644	52	8	145	12	8	125	10	8
Foreign Agricultural Service	776	776	100	776	776	100	776	776	100
Forest Service	173,817	127,000	73	177,817	135,000	76	205,817	132,000	64
Grain Inspection Packers & Stockyards Administration	2,714	2,008	74	3,410	2,523	74	5,554	4,110	74
Nat'l Agricultural Statistics Svc	3,340	2,710	81	3,541	2,830	80	3,541	2,947	83
Rural Business-Cooperative Svc	1,420	1,420	100	1,500	1,500	100	1,570	1,570	100
Department of Commerce, total	713,154	452,824	63	753,159	475,940	63	775,822	484,457	62
Bureau of the Census	15,000	10,100	67	13,000	8,710	67	300	201	67
Economic Development Admin	50	50	100	50	50	100	50	50	100
Nat'l Inst of Standards & Tech	231,866	153,844	66	234,111	160,342	68	257,288	173,857	68
Nat'l Oceanic & Atmospheric Admin	458,616	281,208	61	498,329	299,169	60	505,208	297,373	59
National Telecommunications & Information Administration	7,622	7,622	100	7,669	7,669	100	12,976	12,976	100
Department of Defense, total	8,557,232	3,124,022	37	9,080,841	3,388,822	37	8,578,826	3,152,872	37
Department of the Air Force	1,156,097	211,973	18	1,302,981	341,840	26	1,083,513	322,561	30
Department of the Army	2,135,587	1,129,010	53	2,160,885	1,139,899	53	2,072,388	991,550	48
Department of the Navy	3,241,971	1,363,399	42	3,575,552	1,500,700	42	3,346,009	1,412,383	42
Defense Agencies, total	1,907,623	411,918	22	1,937,006	398,320	21	1,990,151	420,738	21
Ballistic Missile Defense Org	609,329	111,789	18	654,637	100,489	15	741,559	106,796	14
Defense Adv Rsch Projects Agcy	194,929	145,090	74	180,016	132,952	74	192,851	142,283	74
Defense Info Systems Agcy	50,982	32,782	64	48,001	36,170	75	62,921	37,800	60
Defense Logistics Agency	42,961	202	*	72,332	401	1	52,840	202	*
Defense Threat Reduction Agency	95,074	2	*	130,792	2	*	99,876	2	*
Joint Staff	159,475	2	*	48,967	2	*	75,262	2	*
Special Operations Command	74,886	8,250	11	82,371	9,603	12	72,150	8,090	11
Washington Headquarters Svcs	679,987	113,801	17	719,890	118,701	16	692,692	125,563	18
Operational Test & Evaluation, Director	8,519	84	1	6,506	64	1	70,909	4,364	6
Test & Evaluation, Deputy Under Secretary of Defense	107,435	7,638	7	97,911	7,999	8	15,856	1,276	8
Department of Education	16,842	5,761	34	21,206	6,148	29	38,894	6,335	16
Department of Energy	578,474	104,782	18	772,810	106,377	14	871,042	110,124	13

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	3,128,215	1,298,208	41	3,472,820	1,495,734	43	3,678,141	1,633,697	44
Administration on Aging	526	288	55	526	288	55	526	288	55
Admin for Children & Families	1,708	579	34	1,168	733	63	1,167	767	66
Agency for Healthcare Research and Quality[1]	56,780	21,201	37	62,383	24,257	39	78,450	29,027	37
Centers for Disease Control & Prevention	294,259	249,271	85	337,525	286,897	85	378,602	321,812	85
Food & Drug Administration	108,321	97,489	90	116,361	104,725	90	133,626	120,263	90
Health Care Financing Admin	38	10	26	35	10	29	35	10	29
Health Resources & Services Admin	2,779	2,758	99	2,729	2,705	99	2,742	2,717	99
National Institutes of Health	2,661,960	925,668	35	2,949,878	1,075,006	36	3,080,707	1,158,322	38
Office of the Secretary, total	1,843	943	51	2,214	1,112	50	2,285	490	21
Office of the Asst Secretary, Planning & Evaluation	1,500	600	40	1,837	735	40	1,870	75	4
Office of Public Hlth & Science	343	343	100	377	377	100	415	415	100
Substance Abuse & Mental Health Services Administration[2]	1	1	100	1	1	100	1	1	100
Dept of Housing & Urban Development	32,203	21,200	66	33,104	20,700	63	35,916	22,400	62
Department of the Interior, total	568,307	212,493	37	495,143	186,805	38	545,889	206,577	38
Bureau of Reclamation	7,222	4,563	63	6,274	3,945	63	6,978	4,098	59
Geological Survey	541,642	194,713	36	468,784	167,264	36	516,950	186,040	36
Minerals Management Service	7,023	4,995	71	7,250	5,114	71	7,530	5,560	74
National Park Service	12,420	8,222	66	12,835	10,482	82	14,431	10,879	75
Department of Justice, total	41,973	7,658	18	39,611	7,674	19	44,664	7,727	17
Bureau of Prisons	3,000	2,600	87	3,000	2,600	87	3,000	2,600	87
Federal Bureau of Investigation	36,343	5,017	14	36,396	5,070	14	41,449	5,123	12
Immigration & Naturalization Svc	200	1	*	200	1	*	200	1	*
Office of Justice Programs	2,430	40	2	15	3	20	15	3	20
Department of Labor, total	19,316	4,699	24	19,897	4,889	25	22,291	5,221	23
Bureau of Labor Statistics	8,400	2,181	26	8,400	2,275	27	8,400	2,322	28
Employment & Training Admin	8,230	2	*	8,804	2	*	10,819	2	*
Occupational Safety & Hlth Admin	1,433	1,433	100	1,502	1,502	100	1,558	1,558	100
Office of the Secretary	240	120	50	120	120	100	240	240	100
Pension Benefit Guaranty Corp	266	266	100	283	283	100	322	322	100
Pension & Welfare Benefits Admin	747	697	93	788	707	90	952	777	82
Department of State[3]	490	490	100	500	500	100	500	500	100
Department of Transportation, total	215,582	107,147	50	207,839	116,128	56	289,322	137,899	48
Coast Guard	14,395	7,663	53	14,964	8,131	54	14,450	8,284	57
Federal Aviation Administration	94,054	69,513	74	99,710	78,710	79	111,812	90,812	81
Federal Highway Administration	53,521	11,744	22	39,464	11,744	30	78,042	11,744	15
Federal Railroad Administration	10,754	1,711	16	11,405	1,876	16	11,866	2,066	17
Federal Transit Administration	2,385	2,385	100	2,475	2,475	100	2,594	2,594	100
National Highway Traffic Safety Administration	30,824	10,633	34	31,858	10,195	32	60,012	19,204	32
Office of the Secretary	4,862	1,645	34	3,671	1,316	36	4,658	1,526	33
Research & Special Programs Admin	4,787	1,853	39	4,292	1,681	39	5,888	1,669	28
Department of the Treasury, total	41,752	37,881	91	44,176	39,557	90	52,672	47,908	91
Bureau of Engraving & Printing	2,110	146	7	2,685	167	6	2,685	167	6
Internal Revenue Service	38,089	36,217	95	39,506	37,443	95	48,879	46,673	95
Office of Thrift Supervision	144	109	76	153	115	75	163	123	75
United States Customs Service	1,000	1,000	100	1,000	1,000	100	0	0	0
United States Mint	51	51	100	55	55	100	60	60	100
United States Secret Service	358	358	100	777	777	100	885	885	100
Department of Veterans Affairs	339,088	173,738	51	366,706	186,191	51	367,000	187,000	51

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Other agencies:									
Appalachian Regional Commission	11	11	100	10	10	100	10	10	100
Environmental Protection Agency	211,204	211,204	100	126,681	126,681	100	125,092	125,092	100
Federal Communications Commission	4,487	4,487	100	3,936	3,936	100	3,525	3,525	100
Federal Trade Commission	1,254	731	58	1,200	700	58	1,414	825	58
Internat'l Development Cooperation Agency, total	21,942	16,930	77	24,822	18,617	75	26,031	18,330	70
Agcy for Internat'l Development[4]	21,942	16,930	77	24,822	18,617	75	26,031	18,330	70
Library of Congress	1,788	1,130	63	1,391	1,151	83	1,550	1,317	85
National Aeronautics & Space Admin	2,370,206	1,168,294	49	2,317,821	1,220,113	53	2,496,918	1,309,144	52
National Archives & Records Admin	120	120	100	120	120	100	120	120	100
National Science Foundation	21,421	14,995	70	22,636	15,846	70	27,131	18,992	70
Nuclear Regulatory Commission	14,664	12,786	87	22,661	21,059	93	14,913	13,324	89
Smithsonian Institution	90,000	58,500	65	97,000	63,050	65	103,000	66,950	65
Social Security Administration	2,380	2,380	100	2,535	2,535	100	1,200	1,200	100
United States Information Agency	117	3	3	89	3	3	0	0	0
US International Trade Commission	9,738	7,304	75	10,140	7,605	75	0	0	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Because of rounding, detail may not add to totals.

KEY: * = Amount less than 0.5 percent

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-89. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 1 of 2

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	3,255,172	1,413,655	43	3,482,533	1,505,402	43	3,650,459	1,598,253	44
Departments:									
Department of Agriculture, total	526,511	302,518	57	550,838	322,986	59	609,400	336,496	55
Agricultural Research Service	433,428	237,302	55	453,905	253,188	56	501,065	273,379	55
Cooperative State Research, Education, & Extension Service	7,269	5,622	77	8,410	6,353	76	7,182	6,687	93
Economic Research Service	6,249	3,978	64	6,536	3,998	61	5,542	4,134	75
Food Safety Inspection Service	125	10	8	125	10	8	125	10	8
Foreign Agricultural Service	574	574	100	574	574	100	574	574	100
Forest Service	74,976	52,075	69	76,609	55,350	72	88,089	46,571	53
Grain Inspection Packers & Stockyards Administration	2,714	2,008	74	3,410	2,523	74	5,554	4,110	74
Nat'l Agricultural Statistics Svc	1,176	949	81	1,269	990	78	1,269	1,031	81
Department of Commerce, total	43,667	29,039	67	44,632	30,188	68	48,195	31,268	65
Bureau of the Census	2,037	1,365	67	1,766	1,183	67	41	27	66
Nat'l Inst of Standards & Tech	37,107	25,530	69	38,237	26,464	69	43,525	28,700	66
Nat'l Oceanic & Atmospheric Admin	4,523	2,144	47	4,629	2,541	55	4,629	2,541	55
Department of Defense, total	344,165	151,623	44	364,302	130,499	36	392,859	148,798	38
Department of the Air Force	86,506	12,721	15	93,713	13,272	14	104,714	11,580	11
Department of the Army	101,727	71,362	70	94,517	49,409	52	104,330	63,685	61
Department of the Navy	118,687	52,127	44	118,338	51,974	44	130,163	57,168	44
Defense Agencies, total	37,245	15,413	41	57,734	15,844	27	53,652	16,365	31
Defense Adv Rsch Projects Agcy	4,771	3,578	75	6,530	4,898	75	8,266	6,200	75
Washington Headquarters Svcs	32,474	11,835	36	51,204	10,946	21	45,386	10,165	22
Department of Education	134	93	69	114	81	71	104	75	72
Department of Energy	32,659	1,565	5	74,235	1,796	2	58,342	2,170	4
Dept of Health & Human Svcs, total	1,436,260	500,215	35	1,591,447	580,693	36	1,661,978	625,609	38
Health Resources & Services Admin	1,182	1,182	100	1,151	1,151	100	1,151	1,151	100
National Institutes of Health	1,435,078	499,033	35	1,590,296	579,542	36	1,660,827	624,458	38
Department of the Interior, total	55,461	8,772	16	48,198	7,376	15	52,305	8,124	16
Geological Survey	55,345	8,729	16	48,082	7,333	15	52,189	8,081	15
National Park Service	116	43	37	116	43	37	116	43	37
Department of Justice, total	275	13	5	5	1	20	5	1	20
Office of Justice Programs	275	13	5	5	1	20	5	1	20
Department of Labor, total	7,100	1,221	17	7,100	1,315	19	7,100	1,362	19
Bureau of Labor Statistics	7,100	1,221	17	7,100	1,315	19	7,100	1,362	19
Department of Transportation, total	25,809	4,345	17	13,786	4,345	32	41,508	4,345	10
Federal Highway Administration	25,809	4,345	17	13,786	4,345	32	41,508	4,345	10
Department of the Treasury, total	25	13	52	28	16	57	28	16	57
Bureau of Engraving & Printing	25	13	52	28	16	57	28	16	57
Department of Veterans Affairs	148,438	76,055	51	160,527	81,506	51	160,656	81,860	51

See explanatory information, if any, and SOURCE at end of table.

Table C-89. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 2 of 2

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Other agencies:									
Environmental Protection Agency	13,449	13,449	100	13,711	13,711	100	13,632	13,632	100
Internat'l Development Cooperation Agency, total	8	6	75	0	0	0	0	0	0
Agcy for Internat'l Development[1]	8	6	75	0	0	0	0	0	0
National Aeronautics & Space Admin	510,057	251,420	49	494,272	252,202	51	474,567	258,801	55
National Science Foundation	21,154	14,808	70	22,338	15,637	70	26,780	18,746	70
Smithsonian Institution	90,000	58,500	65	97,000	63,050	65	103,000	66,950	65

[1] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-90. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1999			Preliminary					
	Total	Personnel costs	Percent of total	2000			2001		
				Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	5,430,649	2,827,118	52	5,720,971	3,043,647	53	6,142,318	3,205,225	52
Departments:									
Department of Agriculture, total	441,013	267,580	61	460,957	283,513	62	506,422	304,795	60
Agricultural Marketing Service	3,704	1,626	44	4,254	1,832	43	4,554	1,958	43
Agricultural Research Service	296,978	162,595	55	311,009	173,481	56	343,324	186,631	54
Cooperative State Research, Education, & Extension Service	18,784	7,011	37	22,334	7,924	35	22,450	8,339	37
Economic Research Service	46,368	35,805	77	46,318	35,984	78	46,382	37,208	80
Food Safety Inspection Service	125	10	8	0	0	0	0	0	0
Foreign Agricultural Service	202	202	100	202	202	100	202	202	100
Forest Service	71,268	57,150	80	73,068	60,750	83	85,668	66,971	78
Nat'l Agricultural Statistics Svc	2,164	1,761	81	2,272	1,840	81	2,272	1,916	84
Rural Business-Cooperative Svc	1,420	1,420	100	1,500	1,500	100	1,570	1,570	100
Department of Commerce, total	622,498	385,953	62	661,902	414,064	63	681,142	423,660	62
Bureau of the Census	3,835	2,569	67	2,519	1,688	67	71	48	68
Economic Development Admin	50	50	100	50	50	100	50	50	100
Nat'l Inst of Standards & Tech	179,008	116,468	65	180,696	121,164	67	194,592	131,386	68
Nat'l Oceanic & Atmospheric Admin	435,796	263,057	60	474,832	287,357	61	477,572	283,319	59
National Telecommunications & Information Administration	3,809	3,809	100	3,805	3,805	100	8,857	8,857	100
Department of Defense, total	1,141,891	579,079	51	1,245,294	739,829	59	1,103,221	697,307	63
Department of the Air Force	290,132	95,125	33	253,742	200,709	79	241,762	198,708	82
Department of the Army	404,342	265,143	66	488,976	302,413	62	415,830	272,083	65
Department of the Navy	223,179	129,377	58	271,996	157,676	58	231,064	133,948	58
Defense Agencies, total	224,238	89,434	40	230,580	79,031	34	214,565	92,568	43
Ballistic Missile Defense Org	28,051	3,073	11	21,218	3,381	16	11,400	1,081	9
Defense Adv Rsch Projects Agcy	73,433	55,074	75	72,534	54,401	75	81,091	60,818	75
Defense Info Systems Agcy	709	1	*	994	1	*	123	1	1
Defense Logistics Agency	5,400	1	*	7,265	1	*	8,776	1	*
Defense Threat Reduction Agency	49,913	1	*	57,450	1	*	41,018	1	*
Special Operations Command	5,560	614	11	5,969	652	11	5,533	841	15
Washington Headquarters Svcs	61,172	30,670	50	65,150	20,594	32	66,624	29,825	45
Department of Education	7,632	3,587	47	8,235	3,553	43	12,392	3,484	28
Department of Energy	256,393	32,614	13	362,283	32,682	9	462,619	33,294	7

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 2 of 3

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	1,269,860	643,744	51	1,413,855	736,738	52	1,525,361	813,828	53
Administration on Aging	185	57	31	185	57	31	185	57	31
Admin for Children & Families	1,708	579	34	1,168	733	63	1,167	767	66
Agency for Healthcare Research and Quality[1]	45,844	10,265	22	50,455	12,329	24	63,450	14,027	22
Centers for Disease Control & Prevention	294,259	249,271	85	337,525	286,897	85	378,602	321,812	85
Food & Drug Administration	108,321	97,489	90	116,361	104,725	90	133,626	120,263	90
Health Care Financing Admin	38	10	26	35	10	29	35	10	29
Health Resources & Services Admin	1,597	1,576	99	1,578	1,554	98	1,591	1,566	98
National Institutes of Health	816,408	283,897	35	904,711	329,698	36	944,835	355,251	38
Office of the Secretary, total	1,500	600	40	1,837	735	40	1,870	75	4
Office of the Asst Secretary, Planning & Evaluation	1,500	600	40	1,837	735	40	1,870	75	4
Dept of Housing & Urban Development	11,288	7,200	64	12,266	7,700	63	13,362	8,400	63
Department of the Interior, total	486,784	189,413	39	425,313	167,516	39	462,325	181,415	39
Bureau of Reclamation	6,100	4,148	68	5,274	3,586	68	5,478	3,725	68
Geological Survey	461,357	172,091	37	400,070	148,377	37	435,002	161,294	37
Minerals Management Service	7,023	4,995	71	7,250	5,114	71	7,530	5,560	74
National Park Service	12,304	8,179	66	12,719	10,439	82	14,315	10,836	76
Department of Justice, total	4,650	2,226	48	2,505	2,201	88	2,505	2,201	88
Bureau of Prisons	2,500	2,200	88	2,500	2,200	88	2,500	2,200	88
Office of Justice Programs	2,150	26	1	5	1	20	5	1	20
Department of Labor, total	10,862	3,168	29	11,391	3,285	29	13,601	3,353	25
Bureau of Labor Statistics	1,300	960	74	1,300	960	74	1,300	960	74
Employment & Training Admin	7,305	1	*	7,686	1	*	9,734	1	*
Occupational Safety & Hlth Admin	1,433	1,433	100	1,502	1,502	100	1,558	1,558	100
Office of the Secretary	20	20	100	60	60	100	0	0	0
Pension Benefit Guaranty Corp	57	57	100	55	55	100	57	57	100
Pension & Welfare Benefits Admin	747	697	93	788	707	90	952	777	82
Department of State[2]	490	490	100	500	500	100	500	500	100
Department of Transportation, total	129,695	60,490	47	131,688	69,290	53	172,517	80,065	46
Coast Guard	3,724	2,360	63	3,658	2,560	70	3,528	2,713	77
Federal Aviation Administration	61,666	37,125	60	67,219	46,219	69	68,624	47,624	69
Federal Highway Administration	18,127	6,342	35	13,683	6,342	46	23,002	6,342	28
Federal Railroad Administration	10,753	1,710	16	11,404	1,875	16	11,865	2,065	17
Federal Transit Administration	600	600	100	500	500	100	524	524	100
National Highway Traffic Safety Administration	30,824	10,633	34	31,858	10,195	32	60,012	19,204	32
Research & Special Programs Admin	4,001	1,720	43	3,366	1,599	48	4,962	1,593	32
Department of the Treasury, total	38,639	35,027	91	41,343	36,983	89	50,479	45,974	91
Bureau of Engraving & Printing	1,991	86	4	2,554	95	4	2,554	95	4
Internal Revenue Service	36,146	34,474	95	37,859	35,996	95	46,877	44,871	96
Office of Thrift Supervision	144	109	76	153	115	75	163	123	75
United States Secret Service	358	358	100	777	777	100	885	885	100
Department of Veterans Affairs	183,846	94,197	51	198,820	100,949	51	198,979	101,387	51

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

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Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Other agencies									
Appalachian Regional Commission	11	11	100	10	10	100	10	10	100
Environmental Protection Agency	194,790	194,790	100	91,376	91,376	100	90,055	90,055	100
Federal Communications Commission	4,487	4,487	100	3,936	3,936	100	3,525	3,525	100
Federal Trade Commission	1,254	731	58	1,200	700	58	1,414	825	58
Internat'l Development Cooperation Agency, total	18,008	13,686	76	19,057	14,293	75	19,893	13,726	69
Agcy for Internat'l Development[3]	18,008	13,686	76	19,057	14,293	75	19,893	13,726	69
Library of Congress	544	428	79	544	426	78	551	429	78
National Aeronautics & Space Admin	578,728	285,437	49	592,653	302,572	51	804,861	382,102	47
National Archives & Records Admin	120	120	100	120	120	100	120	120	100
National Science Foundation	267	187	70	298	209	70	351	246	70
Nuclear Regulatory Commission	14,664	12,786	87	22,661	21,059	93	14,913	13,324	89
Social Security Administration	2,380	2,380	100	2,535	2,535	100	1,200	1,200	100
United States Information Agency	117	3	3	89	3	3	0	0	0
US International Trade Commission	9,738	7,304	75	10,140	7,605	75	0	0	0

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Because of rounding, detail may not add to totals.

KEY: * = Amount less than 0.5 percent

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-91. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	9,398,880	3,446,278	37	9,869,267	3,647,523	37	9,559,608	3,475,840	36
Departments:									
Department of Agriculture, total	115,217	67,175	58	122,122	73,182	60	134,680	76,481	57
Agricultural Marketing Service	704	300	43	763	325	43	763	335	44
Agricultural Research Service	72,238	39,550	55	75,652	42,199	56	83,510	45,396	54
Animal & Plant Hlth Inspection Svc	14,308	9,518	67	17,547	11,756	67	18,347	12,292	67
Food Safety Inspection Service	394	32	8	20	2	10	0	0	0
Forest Service	27,573	17,775	64	28,140	18,900	67	32,060	18,458	58
Department of Commerce, total	46,989	37,832	81	46,625	31,688	68	46,485	29,529	64
Bureau of the Census	9,128	6,166	68	8,715	5,839	67	188	126	67
Nat'l Inst of Standards & Tech	15,751	11,846	75	15,178	12,714	84	19,171	13,771	72
Nat'l Oceanic & Atmospheric Admin	18,297	16,007	87	18,868	9,271	49	23,007	11,513	50
National Telecommunications & Information Administration	3,813	3,813	100	3,864	3,864	100	4,119	4,119	100
Department of Defense, total	7,071,176	2,393,320	34	7,471,245	2,518,494	34	7,082,746	2,306,767	33
Department of the Air Force	779,459	104,127	13	955,526	127,859	13	737,037	112,273	15
Department of the Army	1,629,518	792,505	49	1,577,392	788,077	50	1,552,228	655,782	42
Department of the Navy	2,900,105	1,181,895	41	3,185,218	1,291,050	41	2,984,782	1,221,267	41
Defense Agencies, total	1,646,140	307,071	19	1,648,692	303,445	18	1,721,934	311,805	18
Ballistic Missile Defense Org	581,278	108,716	19	633,419	97,108	15	730,159	105,715	14
Defense Adv Rsch Projects Agcy	116,725	86,438	74	100,952	73,653	73	103,494	75,265	73
Defense Info Systems Agcy	50,273	32,781	65	47,007	36,169	77	62,798	37,799	60
Defense Logistics Agency	37,561	201	1	65,067	400	1	44,064	201	*
Defense Threat Reduction Agency	45,161	1	*	73,342	1	*	58,858	1	*
Joint Staff	159,475	2	*	48,967	2	*	75,262	2	*
Special Operations Command	69,326	7,636	11	76,402	8,951	12	66,617	7,249	11
Washington Headquarters Svcs	586,341	71,296	12	603,536	87,161	14	580,682	85,573	15
Operational Test & Evaluation, Director	8,519	84	1	6,506	64	1	70,909	4,364	6
Test & Evaluation, Deputy Under Secretary of Defense	107,435	7,638	7	97,911	7,999	8	15,856	1,276	8
Department of Defense, total advanced technology	1,122,017	362,395	32	1,206,476	381,048	32	972,372	324,723	33
Department of the Air Force	143,816	58,880	41	154,783	56,170	36	128,533	49,129	38
Department of the Army	242,398	115,573	48	326,939	124,023	38	195,181	88,372	45
Department of the Navy	143,311	52,652	37	203,482	74,759	37	156,138	57,365	37
Defense Agencies, total	592,492	135,290	23	521,272	126,096	24	492,520	129,857	26
Ballistic Missile Defense Organization	64,261	15,960	25	65,836	14,625	22	40,884	14,267	35
Defense Advanced Research Projects Agency	90,479	67,897	75	74,785	56,089	75	76,952	57,714	75
Defense Logistics Agency	37,375	200	1	23,469	200	1	24,078	200	1
Defense Threat Reduction Agency	45,161	1	*	73,342	1	*	58,858	1	*
Joint Staff	134,911	1	*	30,598	1	*	51,167	1	*
Special Operations Command	25,799	2,853	11	31,829	2,851	9	30,730	3,182	10
Washington Headquarters Services	194,506	48,378	25	221,413	52,329	24	209,851	54,492	26

See explanatory information, if any, and SOURCE at end of table

Table C-91. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 2 of 3

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of Defense, total major systems	5,949,159	2,030,925	34	6,264,769	2,137,446	34	6,110,374	1,982,044	32
Department of the Air Force	635,643	45,247	7	800,743	71,689	9	608,504	63,144	10
Department of the Army	1,387,120	676,932	49	1,250,453	664,054	53	1,357,047	567,410	42
Department of the Navy	2,756,794	1,129,243	41	2,981,736	1,216,291	41	2,828,644	1,163,902	41
Defense Agencies, total	1,053,648	171,781	16	1,127,420	177,349	16	1,229,414	181,948	15
Ballistic Missile Defense Organization	517,017	92,756	18	567,583	82,483	15	689,275	91,448	13
Defense Advanced Research Projects Agency	26,246	18,541	71	26,167	17,564	67	26,542	17,551	66
Defense Information Systems Agency	50,273	32,781	65	47,007	36,169	77	62,798	37,799	60
Defense Logistics Agency	186	1	1	41,598	200	*	19,986	1	*
Joint Staff	24,564	1	*	18,369	1	*	24,095	1	*
Special Operations Command	43,527	4,783	11	44,573	6,100	14	35,887	4,067	11
Washington Headquarters Services	391,835	22,918	6	382,123	34,832	9	370,831	31,081	8
Operational Test & Evaluation, Director	8,519	84	1	6,506	64	1	70,909	4,364	6
Test & Evaluation, Deputy Under Secretary of Defense	107,435	7,638	7	97,911	7,999	8	15,856	1,276	8
Department of Education	9,076	2,081	23	12,857	2,514	20	26,398	2,776	11
Department of Energy	289,422	70,603	24	336,292	71,899	21	350,081	74,660	21
Dept of Health & Human Svcs, total	422,095	154,249	37	467,518	178,303	38	490,802	194,260	40
Administration on Aging	341	231	68	341	231	68	341	231	68
Agency for Healthcare Research and Quality[1]	10,936	10,936	100	11,928	11,928	100	15,000	15,000	100
National Institutes of Health	410,474	142,738	35	454,871	165,766	36	475,045	178,613	38
Office of the Secretary, total	343	343	100	377	377	100	415	415	100
Office of Public Hlth & Science	343	343	100	377	377	100	415	415	100
Substance Abuse & Mental Health Services Administration[2]	1	1	100	1	1	100	1	1	100
Dept of Housing & Urban Development	20,915	14,000	67	20,838	13,000	62	22,554	14,000	62
Department of the Interior, total	26,062	14,308	55	21,632	11,913	55	31,259	17,038	55
Bureau of Reclamation	1,122	415	37	1,000	359	36	1,500	373	25
Geological Survey	24,940	13,893	56	20,632	11,554	56	29,759	16,665	56
Department of Justice, total	37,048	5,419	15	37,101	5,472	15	42,154	5,525	13
Bureau of Prisons	500	400	80	500	400	80	500	400	80
Federal Bureau of Investigation	36,343	5,017	14	36,396	5,070	14	41,449	5,123	12
Immigration & Naturalization Svc	200	1	*	200	1	*	200	1	*
Office of Justice Programs	5	1	20	5	1	20	5	1	20
Department of Labor, total	1,354	310	23	1,406	289	21	1,590	506	32
Employment & Training Admin	925	1	*	1,118	1	*	1,085	1	*
Office of the Secretary	220	100	45	60	60	100	240	240	100
Pension Benefit Guaranty Corp	209	209	100	228	228	100	265	265	100
Department of Transportation, total	60,078	42,312	70	62,365	42,493	68	75,297	53,489	71
Coast Guard	10,671	5,303	50	11,306	5,571	49	10,922	5,571	51
Federal Aviation Administration	32,388	32,388	100	32,491	32,491	100	43,188	43,188	100
Federal Highway Administration	9,585	1,057	11	11,995	1,057	9	13,532	1,057	8
Federal Railroad Administration	1	1	100	1	1	100	1	1	100
Federal Transit Administration	1,785	1,785	100	1,975	1,975	100	2,070	2,070	100
Office of the Secretary	4,862	1,645	34	3,671	1,316	36	4,658	1,526	33
Research & Special Programs Admin	786	133	17	926	82	9	926	76	8

See explanatory information, if any, and SOURCE at end of table.

Table C-91. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1999, 2000, and 2001

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1999			Preliminary					
				2000			2001		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of the Treasury, total	3,088	2,841	92	2,805	2,558	91	2,165	1,918	89
Bureau of Engraving & Printing	94	47	50	103	56	54	103	56	54
Internal Revenue Service	1,943	1,743	90	1,647	1,447	88	2,002	1,802	90
United States Customs Service	1,000	1,000	100	1,000	1,000	100	0	0	0
United States Mint	51	51	100	55	55	100	60	60	100
Department of Veterans Affairs	6,804	3,486	51	7,359	3,736	51	7,365	3,753	51
Other agencies:									
Environmental Protection Agency	2,965	2,965	100	21,594	21,594	100	21,405	21,405	100
Internat'l Development Cooperation Agency, total	3,926	3,238	82	5,765	4,324	75	6,138	4,604	75
Agcy for Internat'l Development[3]	3,926	3,238	82	5,765	4,324	75	6,138	4,604	75
Library of Congress	1,244	702	56	847	725	86	999	888	89
National Aeronautics & Space Admin	1,281,421	631,437	49	1,230,896	665,339	54	1,217,490	668,241	55

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: * = Amount less than 0.5 percent

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development. Fiscal Years 1999, 2000, and 2001

Table C-92. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	30,635.8	34,065.9	35,766.8	37,959.4	41,330.1	45,860.3	52,090.3	53,214.2	56,556.6	61,476.4	64,151.1
Departments:											
Dept of Agriculture, total	687.6	782.5	828.4	858.8	893.5	923.2	953.0	994.0	1,049.7	1,129.8	1,196.7
Agricultural Cooperative Svc	1.6	1.3	1.7	2.1	2.2	2.9	2.6	2.8	2.7	2.8	2.7
Agricultural Marketing Svc	1.3	1.2	1.5	.6	1.7	1.3	1.7	1.4	1.6	1.5	2.7
Agricultural Research Svc	NA	425.9	436.1	469.4	479.3	492.9	500.5	526.5	540.4	579.7	603.4
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	4.2	4.9	6.2	7.7	14.0
Cooperative State Research, Ed. & Extension Service	NA	199.0	219.8	220.4	239.5	243.6	256.5	274.1	294.8	336.9	361.9
Economic Research Service	NA	38.0	37.0	36.8	40.9	45.1	46.0	43.2	47.2	50.0	50.7
Economics & Statistics Svc	31.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	100.6	101.8	116.0	111.1	109.2	113.8	113.5	120.7	138.0	136.4	144.5
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.0	.9	1.0	1.2	1.0	1.1	.6
Human Nutrition Info Svc	NA	.0	3.8	5.8	7.9	7.2	10.6	9.6	8.2	8.4	9.0
Nat'l Agri Statistics Svc	NA	7.5	7.0	7.6	8.2	8.4	8.0	3.5	3.6	2.8	2.7
Office of International Cooperation & Development	6.4	6.9	4.6	4.1	3.6	5.8	7.5	5.1	5.0	2.5	4.3
Office of Transportation	.8	.9	.9	.8	1.0	1.3	1.0	1.0	1.1	NA	NA
Science & Ed Admin, total	545.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	371.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	174.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	360.6	346.8	286.5	335.2	336.3	377.8	380.1	311.1	389.4	403.2	441.5
Bureau of the Census	3.2	3.8	3.7	4.3	4.4	4.8	4.6	4.5	5.6	5.0	6.7
Economic Development Admin	35.5	35.5	12.1	5.3	5.1	7.8	7.8	7.2	2.7	1.3	1.5
Maritime Administration	24.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	77.1	84.4	87.6	94.0	103.3	106.5	109.2	102.1	111.4	121.5	120.3
National Oceanic & Atmospheric Administration	210.6	209.0	174.1	222.0	214.7	249.1	248.7	189.2	263.5	269.1	306.7
National Telecommunications & Information Administration	9.1	12.9	8.0	9.6	8.6	9.0	8.5	7.8	6.1	6.2	6.2
Office of the Secretary	6	1	.2	-	.1	.6	1.2	.3	.1	.1	-
Patent & Trademark Office	5	1.1	7	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	13,706.1	15,993.0	18,482.9	21,373.5	22,999.4	27,143.7	32,491.1	33,611.8	34,573.0	36,869.1	37,140.0
Department of the Air Force	5,323.6	6,756.6	8,209.1	9,640.9	10,849.7	12,263.7	14,133.1	14,101.0	14,774.5	15,390.5	14,888.1
Department of the Army	2,852.9	3,123.7	3,414.4	3,848.5	4,017.4	4,230.0	4,278.5	5,009.7	4,899.6	5,241.3	5,797.1
Department of the Navy	4,507.9	4,916.9	5,394.7	6,023.5	6,859.8	8,304.9	9,939.8	9,422.1	9,081.9	9,559.5	9,453.5
Defense Agencies	981.4	1,160.0	1,420.0	1,817.3	1,217.8	2,290.0	4,068.2	4,995.8	5,690.3	6,501.3	6,853.6
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	NA	.0	4.4	7.2	31.6	32.0
Test & Evaluation, Deputy Under Secretary of Defense	40.4	35.7	44.8	43.3	54.7	55.1	71.6	78.8	119.6	145.0	115.8
Department of Education	120.9	111.8	150.1	111.5	181.3	95.7	125.3	138.3	142.9	155.7	150.7
Department of Energy	5,660.2	6,125.9	5,785.4	5,641.9	5,656.4	5,803.0	5,381.7	5,432.7	5,743.7	6,039.0	6,365.3

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	3,554.1	3,997.5	4,052.1	4,118.6	4,484.9	5,049.6	5,531.4	5,751.0	6,923.2	7,773.4	8,363.8
Agency for Healthcare Research and Quality [1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3
Alcohol, Drug Abuse, & Mental Health Administration	218.1	251.1	292.0	289.8	276.1	349.8	396.6	476.1	554.8	695.7	842.7
Centers for Disease Control & Prevention	72.6	83.0	88.4	80.4	46.3	47.6	52.7	66.2	88.7	117.8	95.6
Food & Drug Administration	61.0	57.6	59.4	75.6	86.9	96.2	89.1	85.6	91.3	96.0	95.0
Health Care Financing Admin	29.4	35.4	29.1	30.2	33.1	33.5	28.1	36.1	31.4	32.5	14.4
Health Resources Admin	2.8	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	17.5	16.3	13.4	16.0	13.0	9.2	10.0	10.5	11.9
Health Services Admin	20.2	16.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	48.5	85.5	33.0	22.3	15.4	21.4	52.0	51.1	50.9	73.3	76.7
National Insts of Health	3,029.3	3,392.2	3,475.0	3,562.9	3,981.1	4,446.3	4,867.2	4,985.2	6,060.2	6,699.0	7,181.1
Office of the Assistant Secretary for Health	27.0	37.2	29.0	16.9	11.5	15.8	21.6	23.5	20.0	26.0	22.3
Office of the Secretary	24.0	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0
Social Security Admin	21.4	15.4	15.4	9.6	10.7	13.3	5.0	9.8	11.1	14.8	13.9
Dept of Housing & Urban Dvlpmt	65.8	54.1	37.0	30.9	24.9	18.6	13.9	19.7	14.9	20.7	21.7
Dept of the Interior, total	431.5	436.9	394.9	412.7	435.9	417.0	445.4	394.7	419.6	485.3	503.0
Bonneville Power Admin	.0	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.7	1.9	5.3	3.9	3.8	4.4	3.4	3.6	3.7	3.0	2.8
Bureau of Mines	130.8	109.0	105.2	102.0	111.4	100.4	131.0	91.2	87.6	92.6	96.7
Bureau of Reclamation	13.1	13.4	10.7	11.1	10.1	10.5	12.0	10.6	4.4	4.2	5.8
Geological Survey	145.2	168.2	150.1	171.4	228.4	230.8	226.5	211.2	238.6	300.9	301.3
Minerals Management Service	NA	NA	.0	1.3	1.5	1.5	1.1	1.0	1.2	1.9	2.0
National Park Service	8.2	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1
Office of the Secretary	1.9	2.0	.4	1.3	.6	.3	.6	2.0	.4	.4	.2
Office of Surface Mining Reclamation & Enforcement	7.8	5.8	1.4	1.5	.8	2.0	2.3	1.0	1.0	.7	.8
Office of Water Rsch & Tech	30.0	21.8	20.3	8.3	2.6	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	93.0	90.5	90.4	98.3	62.8	52.1	51.2	55.7	63.3	62.2	73.3
Department of Justice, total	45.3	26.1	36.6	27.6	26.5	32.7	32.1	39.0	48.1	36.0	38.2
Bureau of Prisons	2.1	2.5	1.7	1.7	1.6	1.5	3.0	6.9	6.0	3.8	3.2
Drug Enforcement Admin	4.4	1.2	2.7	2.5	2.0	1.6	2.5	2.2	2.5	2.7	2.4
Fed Bureau of Investigation	1.8	1.5	1.1	1.9	2.5	8.9	6.9	6.9	12.7	.5	8.2
Immigration & Naturalization Service	.3	1.0	.3	.2	.6	.4	.4	.4	5.2	.4	.4
Office of Justice Programs	35.1	19.2	30.4	21.1	19.6	20.1	19.2	22.4	21.6	22.5	24.0
Office of Legal Policy	1.6	.7	.4	.2	.3	.2	.2	.2	.0	.0	.0
Department of Labor, total	137.7	61.6	29.4	16.8	14.1	13.7	10.9	20.3	31.8	28.9	45.2
Bureau of Labor Statistics	.9	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3
Employment Standards Admin	4.7	3.0	1.3	1.3	1.3	-	.0	1.0	.1	.1	.1
Employment & Training Admin	121.7	52.1	20.2	6.0	3.5	4.5	3.4	4.4	11.2	9.2	25.6
Labor-Management Relations & Cooperative Programs	NA	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA
Labor-Management Services Administration	2.8	1.7	.7	.9	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	6.3	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5
Office of the Secretary	1.3	1.0	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1
Pension Benefit Guaranty Corp	NA	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5
Pension & Welfare Benefits Administration	NA	NA	NA	NA	1.2	1.1	.9	1.0	2.6	1.3	2.1
Department of State, total	2.2	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7
Departmental Funds	2.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	391.0	432.1	360.0	282.3	357.5	430.2	445.2	347.7	332.1	291.5	287.3
Coast Guard	17.9	25.9	20.0	19.6	19.5	19.0	16.7	17.8	14.9	18.1	21.4
Federal Aviation Admin	109.7	125.9	110.9	99.5	167.5	283.7	317.6	190.5	190.2	153.5	185.5
Federal Highway Admin	53.4	59.1	42.5	32.5	51.1	47.5	46.1	76.3	60.1	76.5	44.0
Federal Railroad Admin	63.5	55.0	25.6	18.5	14.7	16.2	15.4	10.9	10.6	7.0	7.0
Federal Transit Admin	58.9	61.9	69.8	36.5	31.2	18.6	8.8	9.4	1.4	2.0	2.3
Maritime Administration	NA	17.4	18.9	13.5	11.1	10.2	14.1	7.2	2.6	.0	.9
National Highway Traffic Safety Administration	60.3	60.8	60.2	51.1	53.2	28.0	19.1	28.9	45.2	28.5	16.9
Office of the Secretary	14.9	13.9	5.6	4.0	5.0	4.7	5.2	4.7	5.2	4.2	6.9
Research & Special Programs Administration	12.4	12.3	6.5	7.1	4.2	2.4	2.3	2.1	2.0	1.6	2.4
Dept of the Treasury, total	10.9	10.8	13.6	15.6	13.6	24.3	23.0	26.4	25.8	23.5	25.2
Bureau of Alcohol, Tobacco, & Firearms	1.6	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.3	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1
Internal Revenue Service	4.0	4.2	5.4	8.0	7.9	15.9	13.4	14.1	14.0	14.0	16.3
US Customs Service	3.0	3.5	3.2	3.4	1.9	2.3	4.9	7.1	9.3	6.9	6.3
United States Mint	0	.0	.0	0	0	.6	-	1	.2	.3	.1
United States Secret Service	-	.1	.3	4	2	6	.5	.5	.4	.6	.5
Department of Veterans Affairs	138.6	144.3	140.7	164.7	193.6	222.7	185.1	198.8	201.9	186.4	219.0
Other agencies											
Advisory Commission on Intergovernmental Relations	1.7	1.9	1.8	1.9	2.1	2.0	2.0	1.6	1.4	1.2	1.2
Appalachian Regional Comm	8	.4	4	.2	.4	.2	.2	1	.2	8	.4
Community Services Admin	25.5	26.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	6.3	.9	.2	.5	1.2	2.2	2.0	2.1	1.2	1.3	1.2
Environmental Protection Agcy	384.7	344.3	336.2	312.5	266.1	274.8	306.9	325.9	340.0	343.2	388.5
Fed Communications Commission	3.1	1.6	1.2	1.3	9	1.1	.9	1.0	1.2	1.1	1.3
Federal Emergency Management Agency, total	11.2	11.6	8.8	3.2	10.9	4.6	.0	.0	0	.0	.0
Federal Trade Commission	3.2	1.1	1.2	1.4	1.6	1.7	1.8	5	.4	.4	.5
General Services Admin	.2	.6	1.0	.5	2.4	.4	1.9	1.6	2.3	.5	.7
International Development Cooperation Agency, total	114.3	166.1	188.6	225.2	207.2	233.0	255.5	263.2	229.1	279.1	334.0
Agcy for Internat'l Dvlpmt	114.3	166.1	188.6	225.2	207.2	233.0	255.5	263.2	229.1	279.1	334.0
Interstate Commerce Commission	.1	.0	.0	.0	0	.0	.0	.0	0	.0	.0
Library of Congress	6.5	5.1	5.4	6.7	7.2	6.3	6.9	6.5	7.1	8.0	8.4
Nat'l Aero & Space Admin	3,605.7	3,705.5	3,252.9	2,646.2	3,730.6	3,217.1	3,730.6	3,564.3	4,230.4	5,506.1	6,762.2
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4
National Science Foundation	848.2	905.0	1,015.1	994.7	1,151.0	1,250.0	1,468.1	1,459.9	1,550.7	1,613.4	1,563.0
Nuclear Regulatory Commission	182.8	216.0	208.6	244.0	198.6	161.1	136.0	124.4	113.5	113.2	111.5
Office of Personnel Management	6.8	8.1	.0	.0	.0	.0	0	.0	.0	0	.0
Office of Thrift Supervision	1.2	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1
Smithsonian Institution	39.5	43.9	48.4	57.3	55.2	59.8	64.0	71.5	74.8	82.6	95.4
Tennessee Valley Authority	75.3	94.3	89.5	63.7	66.3	81.0	79.5	76.9	86.9	61.7	66.7
United States Arms Control & Disarmament Agency	3.8	2.4	1.9	1.0	1.3	1.1	.9	4.6	3.4	2.8	.2
US Information Agency	.1	1.2	-	-	-	1.1	2.4	10.0	1.5	1.0	.0
US Internat'l Trade Comm	2.1	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	63,676.4	65,719.0	68,385.8	68,328.3	68,694.4	68,007.6	70,892.7	72,466.1	72,613.9	75,864.5	79,400.0
Departments											
Dept of Agriculture, total	1,269.4	1,382.8	1,453.4	1,486.9	1,504.3	1,438.3	1,464.4	1,538.6	1,612.8	1,753.7	1,845.1
Agricultural Cooperative Svc	2.8	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	3.7	4.3	4.7	4.6	5.0	4.5	4.5	4.2	4.4	5.0	5.3
Agricultural Research Svc	622.9	686.5	732.6	735.3	758.4	739.9	770.4	782.1	847.4	912.6	969.5
Animal & Plant Health Inspection Service	15.7	16.7	17.1	19.2	19.1	19.5	19.8	20.5	20.4	20.5	21.3
Cooperative State Research, Ed, & Extension Service	395.6	415.1	433.2	456.9	463.9	434.9	435.8	474.2	464.8	511.2	529.8
Economic Research Service	53.0	57.5	61.5	57.3	52.0	50.1	42.4	55.0	57.8	56.2	47.7
Food Safety Inspection Svc	.0	.0	.0	.0	.0	-	-	.2	.7	.0	.0
Foreign Agricultural Svc	.0	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4
Forest Service	159.8	182.0	185.8	195.7	197.8	180.4	181.8	190.6	206.0	236.0	255.0
Grain Inspection Packers & Stockyards Administration	.7	1.8	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.4	5.6
Human Nutrition Info Svc	8.9	9.7	7.3	5.3	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.2	3.5	3.9	3.6	4.2	3.7	3.0	3.3	3.6	3.9	3.9
Office of International Cooperation & Development	3.1	2.4	2.6	.0	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.3	5.6
Department of Commerce, total	500.7	643.4	652.0	810.3	886.4	945.1	1,037.6	1,036.6	1,036.1	1,059.6	1,090.0
Bureau of the Census	6.6	5.5	5.0	5.4	5.1	6.6	5.1	8.6	12.0	13.0	2.0
Economic Development Admin	1.0	1.1	.7	.3	1.0	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	144.1	160.6	189.8	237.8	350.4	404.9	473.3	482.3	456.0	425.3	467.9
National Oceanic & Atmospheric Administration	345.3	472.2	452.4	562.9	523.6	528.5	530.9	519.6	547.2	588.8	591.2
National Telecommunications & Information Administration	3.6	4.0	4.2	3.9	6.4	4.5	27.8	25.5	20.3	32.0	28.4
Office of the Secretary	-	-	-	-	-	.0	.0	.0	.0	.0	.0
Department of Defense, total	33,447.2	34,631.7	34,525.9	35,179.2	34,001.9	35,501.6	35,699.0	35,530.3	33,814.9	34,517.3	34,626.0
Department of the Air Force	13,043.8	12,532.3	12,287.9	12,799.2	12,051.8	13,474.4	14,912.1	14,246.2	13,972.6	13,344.9	13,049.5
Department of the Army	5,724.5	6,295.2	6,125.3	5,797.8	5,137.3	4,954.4	4,889.9	4,920.4	5,071.8	5,085.6	5,305.8
Department of the Navy	7,902.0	8,115.0	9,187.5	8,213.3	9,454.1	9,605.0	8,417.1	8,038.1	8,261.2	9,291.6	8,943.4
Defense Agencies	6,685.3	7,450.3	6,689.7	8,125.3	7,112.1	7,198.7	7,182.6	8,047.4	6,207.4	6,519.0	7,111.6
Operational Test & Evaluation, Director	22.3	9.4	12.3	11.9	12.4	22.1	21.5	27.8	44.7	28.9	176.0
Test & Evaluation, Deputy Under Secretary of Defense	69.4	229.4	223.2	231.8	234.3	247.1	275.8	250.4	257.3	247.3	39.7
Department of Education	117.2	135.5	186.7	179.2	180.6	172.0	169.1	192.0	201.6	233.8	261.1
Department of Energy	6,827.1	7,232.7	7,668.3	6,896.5	7,016.3	6,656.1	6,485.3	6,652.9	6,836.9	7,312.5	7,740.5

See explanatory information, if any, and SOURCE at end of table

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Department of Health & Human Services, total	9,822.1	9,091.5	10,475.2	10,352.5	11,245.2	10,419.0	11,457.7	12,983.8	14,280.2	16,072.3	18,353.4
Administration on Aging	20.6	20.2	20.9	19.1	20.7	2.9	4.0	10.4	18.5	31.7	31.7
Administration for Children & Families	110.2	35.1	19.3	11.3	12.0	11.9	12.7	15.8	23.1	24.7	29.0
Agency for Healthcare Research and Quality [1]	11.9	113.5	87.6	111.0	133.0	80.0	110.0	77.0	79.0	120.1	92.6
Alcohol, Drug Abuse, & Mental Health Administration	1,460.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	113.4	146.9	162.5	206.8	317.4	296.7	306.0	343.6	433.3	477.1	518.0
Food & Drug Administration	143.5	150.0	174.2	160.5	147.9	138.8	165.9	155.9	133.3	143.2	163.9
Health Care Financing Admin	21.7	63.9	69.5	72.3	72.9	75.4	66.3	51.3	48.1	51.5	55.0
Hlth Resources & Svcs Admin	11.0	10.5	11.0	17.8	14.4	11.9	13.8	13.8	13.0	13.4	13.4
National Insts of Health	7,890.4	8,491.4	9,893.3	9,725.7	10,511.5	9,779.8	10,687.0	12,035.6	13,226.0	14,894.3	17,147.5
Office of the Assistant Secretary for Health	18.2	21.7	15.8	.7	6	NA	NA	NA	NA	NA	NA
Off of the Secretary, total	8.8	5.0	5.2	5.0	3.5	5.0	22.9	7.0	16.6	19.6	20.1
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	NA	3.0	21.0	5.0	13.9	16.7	17.0
Office of Public Health & Science	NA	NA	NA	NA	NA	2.0	1.9	2.0	2.6	2.9	3.1
Social Security Admin	11.9	33.4	15.9	22.2	11.3	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin [2]	NA	NA	NA	NA	NA	16.7	69.1	273.4	289.3	296.7	282.2
Dept of Housing & Urban Dvlpmt	18.1	23.5	28.4	28.5	38.0	36.2	31.7	31.6	27.5	53.4	56.6
Dept of the Interior, total	556.2	628.4	651.8	644.9	558.8	547.2	572.6	566.9	608.1	544.2	600.7
Bureau of Land Management	8.8	6.3	8.9	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	97.7	113.9	111.8	107.9	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	8.7	12.2	9.6	7.4	8.0	6.5	6.8	8.8	10.3	8.5	8.9
Geological Survey	319.5	370.3	385.2	375.5	359.3	498.6	517.2	499.9	545.7	479.4	534.4
Minerals Management Service	2.7	4.1	6.1	19.5	20.8	21.7	22.6	28.4	29.7	30.1	29.9
Nat'l Biological Svc	NA	NA	.0	110.3	151.0	NA	NA	NA	NA	NA	NA
National Park Service	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	22.5	26.2	27.5
Office of the Secretary	6	9	4	.1	-	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	1.0	3	4	.0	.0	.0	.0	.0	.0	.0	.0
US Fish & Wildlife Service	89.7	89.3	91.3	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	40.4	42.9	46.2	42.0	49.0	72.7	75.5	73.2	85.3	90.8	112.4
Bureau of Prisons	5.7	5.9	6.1	5.4	5.7	5.2	4.6	8.1	9.3	6.5	6.8
Drug Enforcement Admin	2.8	1.5	1.1	1.7	.4	1.2	-	.0	.0	.0	.0
Fed Bureau of Investigation	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	36.4	41.4
Immigration & Naturalization Service	4	4	4	4	.4	2	4	0	.2	.7	.6
Office of Justice Programs	20.7	24.1	27.2	27.6	31.5	32.6	35.0	29.3	39.5	47.2	63.6
Department of Labor, total	45.6	70.8	57.8	60.7	51.7	50.1	39.1	25.2	25.8	29.0	33.1
Bureau of Labor Statistics	7.5	7.6	6.9	7.1	13.1	13.3	12.6	12.4	12.4	12.3	12.3
Employment & Training Admin	23.7	51.0	39.2	41.8	23.1	24.6	18.2	4.7	6.1	6.7	7.0
Occupational Safety & Health Administration	2.6	3.1	2.5	3.2	4.3	6.6	5.4	4.6	3.7	4.3	5.0
Office of the Secretary	8.7	5.7	5.4	5.2	6.2	2.6	2	.2	1.0	3.0	5.3
Pension Benefit Guaranty Corp	.5	9	1.3	.7	1.4	6	.7	6	.7	.7	.7
Pension & Welfare Benefits Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	1.8	2.0	2.8
Department of State [3]	5.9	5.6	5.3	4	.5	1.0	6	.5	1.0	1.0	1.0

See explanatory information, if any, and SOURCE at end of table

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Transportation, total	361.0	411.1	455.3	536.9	661.4	593.0	548.4	537.3	523.9	491.4	738.9
Coast Guard	14.9	22.8	32.2	26.1	21.1	23.4	23.3	20.1	20.7	22.9	21.3
Federal Aviation Admin	216.0	250.7	260.1	258.9	270.8	265.8	236.0	229.5	187.9	172.2	186.2
Federal Highway Admin	86.1	81.2	87.5	178.5	260.6	236.5	218.0	210.4	230.7	190.4	395.1
Federal Railroa[illegible]in	14.3	21.5	22.8	19.6	22.8	20.0	18.1	23.0	22.1	38.1	31.2
Federal Transit Admin	2.1	1.5	16.5	18.5	33.4	22.4	19.5	10.2	10.6	14.6	12.6
Maritime Administration	1.5	1.7	1.7	1.7	2.3	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	19.2	24.5	28.3	26.9	41.4	15.0	23.0	33.3	40.3	40.5	76.2
Office of the Secretary	4.7	5.0	4.4	2.5	4.0	2.8	2.0	3.7	3.7	5.7	4.9
Research & Special Programs Administration	2.2	2.3	1.7	4.1	4.9	7.0	8.4	7.2	7.9	7.1	11.3
Dept of the Treasury, total	30.4	24.5	16.6	20.7	61.5	60.2	59.8	65.2	64.8	58.6	67.7
Bureau of Engraving & Printing	3.5	2.0	3.2	3.4	1.8	1.7	1.7	2.8	2.1	2.7	2.7
Financial Crimes Enforcement Network	1.8	1.5	1.5	0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.3	17.3	6.5	11.3	49.7	51.2	50.8	52.0	55.8	51.9	62.5
Off of Thrift Supervision	3.0	8	7	5	.6	.5	.6	.7	.1	.2	.2
US Customs Service	3.8	2.3	4.1	4.6	8.6	6.3	6.3	9.2	5.4	2.0	.0
United States Mint	5	.0	-	.4	.3	.0	-	.1	.8	1.0	1.3
United States Secret Service	4	6	6	5	.6	.5	4	.5	.5	1.0	1.1
Department of Veterans Affairs	221.6	207.6	250.8	246.0	258.3	240.6	243.2	248.1	339.4	367.1	367.4
Other agencies											
Advisory Commission on Intergovernmental Relations	1.2	1.5	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	.7	1.9	9	.9	.9	.9	.9	.7	.8	.6	.8
Consumer Product Safety Comm	1.3	1.2	1.2	.4	.4	.1	.1	-	.0	.0	.0
Environmental Protection Agcy	400.1	411.9	497.7	558.3	495.5	476.3	537.0	524.0	593.0	655.0	658.0
Fed Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	3.9	3.5
Federal Trade Commission	1.0	1.3	.9	.7	.6	.5	.7	1.1	1.3	1.2	1.4
General Services Admin	3.6	20.9	7.6	5.5	1.3	4.1	1.6	.0	.0	.0	.8
International Development Cooperation Agency, total	344.0	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	221.3	216.9
Agcy for International Development[4]	344.0	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	221.3	216.9
Library of Congress	8.6	10.0	10.7	12.5	7.7	11.0	2.5	1.6	2.1	2.0	2.0
Nat'l Aero & Space Admin	7,675.0	8,386.6	8,885.4	8,576.8	9,116.2	8,094.0	9,715.0	9,741.0	9,752.0	9,547.0	9,727.0
Nat'l Archives & Records Admin	.7	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,687.1	1,813.6	1,841.7	1,983.6	1,977.0	2,212.0	2,318.0	2,302.0	2,399.0	2,656.0	2,707.0
Nuclear Regulatory Commission	107.5	116.5	119.6	92.4	88.8	75.2	67.5	54.3	48.0	47.0	47.0
Smithsonian Institution	98.5	95.4	97.2	127.4	125.0	125.0	126.0	115.5	88.5	95.0	100.0
Social Security Admin	NA	NA	NA	NA	NA	11.5	13.6	17.4	53.3	40.3	41.6
Tennessee Valley Authority	72.3	103.5	109.6	97.9	93.1	6.1	8.9	2.7	.0	0	.0

See explanatory information, if any, and SOURCE at end of table

Table C-92a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
United States Arms Control & Disarmament Agency[3]	0.4	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0
US Information Agency	.2	.2	.2	.6	.3	.1	.2	.2	0.1	0.1	.0
US Internat'l Trade Comm	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agancy were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-93. Federal outlays for research and development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	29,154.2	32,459.1	34,390.7	36,659.4	39,691.0	44,171.4	50,609.1	51,611.7	54,739.4	59,450.4	62,135.3
Departments											
Dept of Agriculture, total	659.8	743.4	807.2	826.0	864.3	889.0	918.0	922.9	971.2	1,037.5	1,072.5
Agricultural Cooperative Svc	1.6	1.3	1.7	2.1	2.2	2.9	2.6	2.8	2.7	2.8	2.7
Agricultural Marketing Svc	1.3	1.2	1.5	.6	1.7	1.3	1.7	1.4	1.6	1.5	2.7
Agricultural Research Svc	NA	390.1	417.5	438.7	454.3	466.2	468.1	463.2	482.1	528.0	548.1
Animal & Plant Health Inspection Service	0	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	8.0
Cooperative State Research, Ed, & Extension Service	NA	199.0	219.8	219.6	235.7	236.7	254.8	267.1	277.3	298.3	303.9
Economic Research Service	NA	38.0	37.0	36.8	40.9	45.1	46.0	43.2	47.2	50.0	50.7
Economics & Statistics Svc	31.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	97.0	98.6	113.2	109.8	108.8	113.1	112.5	119.9	135.8	134.7	139.6
Grain Inspection Packers & Stockyards Administration	.0	0	0	0	.0	.9	1.0	1.2	1.0	1.1	.6
Human Nutrition Info Svc	NA	.0	3.8	5.8	7.9	7.2	10.6	9.6	8.2	8.4	9.0
Nat'l Agri Statistics Svc	NA	7.5	7.0	7.6	8.2	8.4	8.0	3.5	3.6	2.8	2.7
Office of International Cooperation & Development	6.4	6.9	4.6	4.1	3.6	5.8	7.5	5.1	5.0	2.5	4.3
Office of Transportation	.8	.9	.9	.8	1.0	1.3	1.0	1.0	1.1	NA	NA
Science & Ed Admin, total	521.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	347.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	174.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	355.9	345.5	285.4	334.5	327.0	373.6	372.6	307.0	378.6	394.0	426.8
Bureau of the Census	3.2	3.8	3.7	4.3	4.4	4.8	4.6	4.5	5.6	5.0	6.7
Economic Development Admin	35.5	35.5	12.1	5.3	5.1	7.8	7.8	7.2	2.4	1.1	1.5
Maritime Administration	23.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	76.8	83.9	86.6	93.3	94.1	102.2	103.3	100.0	101.3	113.0	112.3
National Oceanic & Atmospheric Administration	206.7	208.1	174.1	222.0	214.7	249.1	247.2	187.1	263.0	268.6	300.1
National Telecommunications & Information Administration	9.1	12.9	8.0	9.6	8.6	9.0	8.5	7.8	6.1	6.2	6.2
Office of the Secretary	.6	.1	.2	-	.1	.6	1.2	.3	.1	.1	-
Patent & Trademark Office	.5	1.1	.7	0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	13,501.4	15,754.5	18,251.2	21,105.8	22,619.3	26,742.0	32,210.5	33,254.4	34,156.8	36,453.4	36,703.2
Department of the Air Force	5,220.6	6,626.6	8,141.4	9,537.2	10,658.5	12,063.9	14,044.0	13,906.8	14,567.0	15,190.8	14,687.9
Department of the Army	2,845.3	3,114.8	3,400.9	3,827.0	3,983.0	4,176.6	4,223.5	4,949.0	4,837.8	5,201.6	5,750.2
Department of the Navy	4,417.0	4,824.7	5,269.4	5,886.8	6,709.4	8,161.1	9,809.1	9,357.1	9,003.1	9,475.0	9,352.3
Defense Agencies	978.2	1,152.6	1,394.8	1,811.5	1,213.6	2,285.2	4,062.4	4,958.4	5,622.1	6,409.5	6,765.0
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	NA	0	4.4	7.2	31.6	32.0
Test & Evaluation, Deputy Under Secretary of Defense	40.4	35.7	44.8	43.3	54.7	55.1	71.6	78.8	119.6	145.0	115.8
Department of Education	120.9	111.8	150.1	111.5	181.3	95.7	124.5	122.6	131.8	153.4	147.9
Department of Energy	4,697.5	5,041.4	4,842.1	4,817.5	4,740.3	4,947.7	4,655.8	4,711.3	4,964.7	5,200.6	5,508.4

See explanatory information, if any, and SOURCE at end of table

Table C-93. Federal outlays for research and development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	3,477.2	3,954.9	4,015.3	4,092.0	4,450.3	5,007.0	5,498.7	5,719.5	6,892.5	7,717.4	8,308.7
Agency for Healthcare Research and Quality[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3
Alcohol, Drug Abuse, & Mental Health Administration	217.9	250.9	291.7	288.8	272.0	348.4	396.1	475.5	554.8	695.7	842.7
Centers for Disease Control & Prevention	72.6	83.0	88.4	80.4	46.3	47.6	52.7	66.2	88.7	117.8	95.6
Food & Drug Administration	60.3	57.1	58.4	73.5	76.9	81.2	79.1	83.7	89.6	94.0	94.0
Health Care Financing Admin	29.4	35.4	29.1	30.2	33.1	33.5	28.1	36.1	31.4	32.5	14.4
Health Resources Admin	2.8	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	17.5	16.3	13.4	16.0	13.0	9.2	10.0	10.5	11.9
Health Services Admin	20.2	16.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	48.5	85.5	33.0	22.3	15.4	21.4	52.0	51.1	50.9	73.3	76.7
National Insts of Health	2,953.2	3,350.2	3,439.6	3,539.5	3,960.6	4,420.1	4,845.0	4,956.2	6,031.2	6,645.0	7,127.0
Office of the Assistant Secretary for Health	27.0	37.2	29.0	16.9	11.5	15.8	21.6	23.5	20.0	26.0	22.3
Office of the Secretary	24.0	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0
Social Security Admin	21.4	15.4	15.4	9.6	10.7	13.3	5.0	9.8	11.1	14.8	13.9
Dept of Housing & Urban Dvlpmt	65.8	54.1	37.0	30.9	24.9	18.6	13.9	19.7	14.9	20.7	21.7
Dept of the Interior, total	422.7	432.8	393.6	410.3	430.7	412.8	439.3	390.0	414.6	478.4	492.5
Bonneville Power Admin	.0	13.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.7	1.9	5.3	3.9	3.8	4.4	3.4	3.6	3.7	3.0	2.8
Bureau of Mines	128.4	106.9	105.0	101.9	111.3	100.4	131.0	91.2	87.6	90.6	93.6
Bureau of Reclamation	13.1	13.4	10.7	11.1	10.1	10.5	12.0	10.6	4.4	4.2	5.8
Geological Survey	145.2	168.2	150.1	169.9	227.2	229.9	225.6	210.4	237.9	299.5	300.0
Minerals Management Service	NA	NA	.0	1.3	1.5	1.5	1.1	1.0	1.2	1.9	1.8
National Park Service	8.2	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1
Office of the Secretary	1.9	2.0	.4	1.3	.6	.3	.6	2.0	.4	.4	.2
Office of Surface Mining Reclamation & Enforcement	7.5	5.8	1.4	1.5	.8	2.0	2.3	1.0	1.0	.7	.8
Office of Water Rsch & Tech	29.3	21.1	19.4	8.3	2.6	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	87.7	89.5	90.1	97.5	58.8	48.8	46.0	51.7	59.0	58.8	67.3
Department of Justice, total	45.3	26.1	36.6	27.6	26.5	32.7	32.1	38.7	48.1	36.0	38.2
Bureau of Prisons	2.1	2.5	1.7	1.7	1.6	1.5	3.0	6.9	6.0	3.8	3.2
Drug Enforcement Admin	4.4	1.2	2.7	2.5	2.0	1.6	2.5	2.2	2.5	2.7	2.4
Fed Bureau of Investigation	1.8	1.5	1.1	1.9	2.5	8.9	6.9	6.6	12.7	6.5	8.2
Immigration & Naturalization Service	.3	1.0	.3	.2	.6	.4	.4	.4	5.2	.4	.4
Office of Justice Programs	35.1	19.2	30.4	21.1	19.6	20.1	19.2	22.4	21.6	22.5	24.0
Office of Legal Policy	1.6	.7	.4	.2	.3	.2	.2	.2	.0	.0	.0
Department of Labor, total	137.7	61.6	29.4	16.8	14.1	13.7	10.9	20.3	31.8	28.9	45.2
Bureau of Labor Statistics	.9	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3
Employment Standards Admin	4.7	3.0	1.3	1.3	1.3	-	.0	1.0	.1	.1	.1
Employment & Training Admin	121.7	52.1	20.2	6.0	3.5	4.5	3.4	4.4	11.2	9.2	25.6
Labor-Management Relations & Cooperative Programs	NA	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA
Labor-Management Services Administration	2.8	1.7	.7	.9	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	6.3	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5
Office of the Secretary	1.3	1.0	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1
Pension Benefit Guaranty Corp	NA	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5
Pension & Welfare Benefits Administration	NA	NA	NA	NA	1.2	1.1	.9	1.0	2.6	1.3	2.1
Department of State, total	2.2	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7
Departmental Funds	2.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table

Table C-93. Federal outlays for research and development, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	374.7	415.9	347.0	272.4	344.6	416.1	429.8	336.6	321.0	278.6	270.6
Coast Guard	17.9	25.9	20.0	19.6	19.5	19.0	16.7	17.8	14.6	18.1	21.0
Federal Aviation Admin	104.2	119.8	106.6	90.3	155.1	270.1	303.3	180.1	179.6	141.0	169.2
Federal Highway Admin	53.1	56.3	42.5	32.5	51.1	47.5	45.5	76.0	60.1	76.5	44.0
Federal Railroad Admin	53.2	48.2	17.4	18.3	14.7	16.2	15.4	10.9	10.3	6.7	7.0
Federal Transit Admin	58.9	61.9	69.8	36.5	31.2	18.6	8.8	9.4	1.4	2.0	2.3
Maritime Administration	NA	17.4	18.9	13.5	11.1	10.2	14.1	7.2	2.6	.0	.9
National Highway Traffic Safety Administration	60.1	60.3	59.7	50.6	52.7	27.5	18.6	28.4	45.2	28.5	16.9
Office of the Secretary	14.9	13.9	5.6	4.0	5.0	4.7	5.2	4.7	5.2	4.2	6.9
Research & Special Programs Administration	12.4	12.3	6.5	7.1	4.2	2.4	2.3	2.1	2.0	1.6	2.4
Dept of the Treasury, total	10.9	10.8	13.6	15.5	13.5	24.2	22.9	26.3	25.7	23.4	25.1
Bureau of Alcohol, Tobacco, & Firearms	1.6	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.3	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1
Internal Revenue Service	4.0	4.2	5.4	8.0	7.9	15.9	13.4	14.1	14.0	14.0	16.3
US Customs Service	3.0	3.5	3.1	3.3	1.8	2.2	4.8	7.0	9.2	6.8	6.2
United States Mint	.0	0	.0	.0	.0	.6	-	.1	.2	.3	.1
United States Secret Service	-	.1	.3	.4	.2	.6	.4	.5	.4	.6	.5
Department of Veterans Affairs	134.4	137.8	137.7	154.1	189.0	215.1	181.2	195.1	197.3	184.9	206.6
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	1.9	1.8	1.9	2.1	2.0	2.0	1.6	1.4	1.2	1.2
Appalachian Regional Comm	.8	.4	.4	.2	.4	.2	.2	.1	.2	.8	.4
Community Services Admin	25.5	26.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	3.6	.9	.2	.5	1.2	2.2	2.0	2.1	1.2	1.3	1.2
Environmental Protection Agcy	384.7	344.3	336.2	312.5	266.1	274.8	306.9	325.9	340.0	343.2	388.5
Fed Communications Commission	3.1	1.6	1.2	1.3	.9	1.1	.9	1.0	1.2	1.1	1.3
Federal Emergency Management Agency, total	11.2	11.6	8.8	3.2	10.9	4.6	.0	.0	.0	.0	.0
Federal Trade Commission	3.2	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5
General Services Admin	.2	.6	1.0	.5	2.4	.4	1.2	1.6	2.3	.5	.7
International Development Cooperation Agency, total	107.8	159.9	178.3	212.8	195.8	220.3	241.5	248.7	216.6	279.1	334.0
Agcy for Internat'l Dvlpmt	107.8	159.9	178.3	212.8	195.8	220.3	241.5	248.7	216.6	279.1	334.0
Interstate Commerce Commission	.1	0	.0	0	0	0	.0	.0	.0	.0	.0
Library of Congress	6.5	5.1	5.4	6.7	7.2	6.3	6.9	6.5	7.1	8.0	8.4
Nat'l Aero & Space Admin	3,465.4	3,558.6	3,140.7	2,538.0	3,538.7	2,970.3	3,431.5	3,250.4	3,831.7	4,974.8	6,324.3
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4
National Science Foundation	830.6	892.3	1,013.6	991.8	1,108.0	1,186.0	1,410.7	1,410.0	1,494.0	1,556.7	1,524.9
Nuclear Regulatory Commission	175.4	208.7	208.6	244.0	198.6	161.1	136.0	124.4	113.5	113.2	111.5
Office of Personnel Management	6.8	8.1	.0	0	0	.0	0	0	0	.0	.0
Office of Thrift Supervision	1.2	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1
Smithsonian Institution	39.1	43.5	48.0	56.2	54.6	58.9	62.5	69.9	73.2	79.8	90.8
Tennessee Valley Authority	74.7	93.9	89.3	63.3	66.0	80.7	78.9	76.5	86.4	61.6	61.8
United States Arms Control & Disarmament Agency	3.8	2.4	1.9	1.0	1.3	1.1	.9	3.6	3.4	2.8	.2
US Information Agency	.1	1.2	-	-	-	1.1	2.4	10.0	1.5	1.0	.0
US Internat'l Trade Comm	2.1	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	61,130.4	62,934.5	65,241.3	66,150.8	66,662.0	66,142.0	68,897.9	70,631.9	70,585.2	73,774.2	77,254.7
Departments											
Dept of Agriculture, total	1,189.4	1,246.0	1,303.9	1,353.6	1,375.8	1,335.7	1,342.2	1,379.5	1,446.2	1,604.4	1,692.3
Agricultural Cooperative Svc	2.8	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	3.7	4.3	4.7	4.6	5.0	4.5	4.5	4.2	4.4	5.0	5.3
Agricultural Research Svc	573.5	617.1	643.4	660.0	679.3	672.4	699.5	687.1	733.5	800.8	857.8
Animal & Plant Health Inspection Service	15.7	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.5	21.3
Cooperative State Research, Ed, & Extension Service	380.1	354.9	379.4	404.1	418.8	403.8	386.5	412.7	424.2	485.8	496.7
Economic Research Service	53.0	57.5	61.5	57.3	52.0	50.1	42.4	55.0	57.8	56.2	47.7
Food Safety Inspection Svc	.0	.0	.0	.0	.0	-	-	.2	.7	.0	.0
Foreign Agricultural Svc	.0	.0	.0	.7	.9	1.3	1.4	1.4	1.4	1.4	1.4
Forest Service	144.7	174.8	179.3	190.8	193.5	177.9	179.8	188.0	194.0	224.0	247.0
Grain Inspection Packers & Stockyards Administration	.7	1.8	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.4	5.6
Human Nutrition Info Svc	8.9	9.7	7.3	5.3	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.2	3.5	3.9	3.6	4.2	3.7	3.0	3.3	3.6	3.9	3.9
Office of International Cooperation & Development	3.1	2.4	2.6	.0	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.3	5.6
Department of Commerce, total	485.1	622.1	629.6	797.4	863.0	918.1	967.1	994.1	999.8	1,027.2	1,049.5
Bureau of the Census	6.6	5.5	5.0	5.4	5.1	6.6	5.1	8.6	12.0	13.0	2.0
Economic Development Admin	1.0	1.1	.7	.3	1.0	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	135.9	149.1	180.1	225.2	327.4	378.0	424.4	439.8	419.6	392.9	427.4
National Oceanic & Atmospheric Administration	338.0	462.4	439.5	562.6	523.1	528.5	509.3	519.6	547.2	588.8	591.2
National Telecommunications & Information Administration	3.6	4.0	4.2	3.9	6.4	4.5	27.8	25.5	20.3	32.0	28.4
Office of the Secretary	-	-	-	-	-	.0	.0	.0	.0	.0	.0
Department of Defense, total	33,013.5	34,220.8	34,152.7	34,918.2	33,920.9	35,387.0	35,646.6	35,490.6	33,687.3	34,432.4	34,549.4
Department of the Air Force	12,825.6	12,346.1	12,056.9	12,645.5	12,024.9	13,420.3	14,886.7	14,242.5	13,899.4	13,299.8	13,012.4
Department of the Army	5,659.5	6,273.2	6,118.3	5,794.0	5,133.0	4,948.7	4,885.2	4,916.3	5,067.8	5,083.9	5,305.5
Department of the Navy	7,815.0	8,004.0	9,114.0	8,150.5	9,416.6	9,578.5	8,400.2	8,015.2	8,229.7	9,258.1	8,907.1
Defense Agencies	6,621.8	7,358.7	6,628.0	8,084.7	7,099.7	7,170.3	7,177.3	8,038.4	6,188.5	6,514.4	7,108.8
Operational Test & Evaluation, Director	22.3	9.4	12.3	11.9	12.4	22.1	21.5	27.8	44.7	28.9	176.0
Test & Evaluation, Deputy Under Secretary of Defense	69.4	229.4	223.2	231.8	234.3	247.1	275.8	250.4	257.3	247.3	39.7
Department of Education	114.5	133.0	173.8	177.2	179.6	172.0	169.1	192.0	201.6	233.8	261.1
Department of Energy	5,727.2	6,034.7	6,185.1	5,974.7	6,152.2	5,846.2	5,678.6	5,876.7	6,035.0	6,408.5	6,883.6

See explanatory information, if any, and SOURCE at end of table

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Department of Health & Human Services, total	9,627.3	8,994.8	10,325.9	10,218.2	10,978.2	10,278.5	11,337.2	12,826.9	14,056.8	15,842.3	18,095.6
Administration on Aging	20.6	20.2	20.9	19.1	20.7	2.9	4.0	10.4	18.5	31.7	31.7
Administration for Children & Families	110.2	35.1	19.3	11.3	12.0	11.9	12.7	15.8	23.1	24.7	29.0
Agency for Healthcare Research and Quality[1]	11.9	113.5	87.6	111.0	133.0	80.0	110.0	77.0	79.0	120.1	92.6
Alcohol, Drug Abuse, & Mental Health Administration	1,460.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	113.4	146.9	162.5	206.8	317.4	296.7	306.0	343.6	433.3	477.1	518.0
Food & Drug Administration	125.0	135.7	154.5	138.6	131.3	133.3	157.3	142.9	130.8	140.2	160.9
Health Care Financing Admin	21.7	63.9	69.5	72.3	72.9	75.4	66.3	51.3	48.1	51.5	55.0
Hlth Resources & Svcs Admin	11.0	10.1	9.6	16.4	12.8	11.2	13.1	12.9	12.4	12.8	12.8
National Insts of Health	7,714.0	8,409.2	9,765.1	9,614.8	10,262.8	9,645.6	10,575.9	11,892.5	13,005.7	14,667.9	16,893.4
Office of the Assistant Secretary for Health	18.2	21.7	15.8	.7	.6	NA	NA	NA	NA	NA	NA
Off of the Secretary, total	8.8	5.0	5.2	5.0	3.5	5.0	22.9	7.0	16.6	19.6	20.1
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	NA	3.0	21.0	5.0	13.9	16.7	17.0
Office of Public Health & Science	NA	NA	NA	NA	NA	2.0	1.9	2.0	2.6	2.9	3.1
Social Security Admin	11.9	33.4	15.9	22.2	11.3	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[2]	NA	NA	NA	NA	NA	16.7	69.1	273.4	289.3	296.7	282.2
Dept of Housing & Urban Dvlpmt	18.1	23.5	28.4	28.5	38.0	36.2	31.7	31.6	27.5	53.4	56.6
Dept of the Interior, total	535.6	610.6	631.0	637.4	552.3	545.1	566.1	565.3	606.7	543.0	599.5
Bureau of Land Management	8.8	6.3	8.9	..0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	96.3	113.9	111.8	107.9	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	8.7	12.2	9.6	7.4	8.0	6.5	6.8	8.8	10.3	8.5	8.9
Geological Survey	316.6	365.9	381.2	369.1	354.1	497.6	512.5	499.9	545.7	479.4	534.4
Minerals Management Service	2.5	3.4	5.1	18.3	19.8	20.7	20.8	26.8	28.2	28.9	28.8
Nat'l Biological Svc	NA	NA	.0	110.3	150.7	NA	NA	NA	NA	NA	NA
National Park Service	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	22.5	26.2	27.5
Office of the Secretary	.6	9	.4	.1	-	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	1.0	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0
US Fish & Wildlife Service	73.6	76.6	75.5	.0	.0	.0	0	.0	.0	.0	.0
Department of Justice, total	40.4	42.9	46.2	42.0	49.0	72.7	75.5	73.2	85.3	90.8	112.4
Bureau of Prisons	5.7	5.9	6.1	5.4	5.7	5.2	4.6	8.1	9.3	6.5	6.8
Drug Enforcement Admin	2.8	1.5	1.1	1.7	.4	1.2	-	.0	.0	.0	.0
Fed Bureau of Investigation	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	36.4	41.4
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.2	.4	.0	.2	.7	.6
Office of Justice Programs	20.7	24.1	27.2	27.6	31.5	32.6	35.0	29.3	39.5	47.2	63.6
Department of Labor, total	45.6	70.8	57.8	60.7	51.7	50.1	39.1	25.2	25.8	29.0	33.1
Bureau of Labor Statistics	7.5	7.6	6.9	7.1	13.1	13.3	12.6	12.4	12.4	12.3	12.3
Employment & Training Admin	23.7	51.0	39.2	41.8	23.1	24.6	18.2	4.7	6.1	6.7	7.0
Occupational Safety & Health Administration	2.6	3.1	2.5	3.2	4.3	6.6	5.4	4.6	3.7	4.3	5.0
Office of the Secretary	8.7	5.7	5.4	5.2	6.2	2.6	.2	.2	1.0	3.0	5.3
Pension Benefit Guaranty Corp	.5	.9	1.3	.7	1.4	.6	.7	.6	.7	.7	.7
Pension & Welfare Benefits Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	1.8	2.0	2.8
Department of State[3]	5.9	5.6	5.3	.4	.5	1.0	.6	.5	1.0	1.0	1.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Transportation, total	342.6	394.0	425.2	519.9	634.7	578.8	527.6	516.0	508.4	476.4	723.6
Coast Guard	14.5	22.4	31.7	25.5	20.6	22.8	22.9	19.9	20.4	22.6	21.0
Federal Aviation Admin	199.6	234.9	234.5	247.2	256.8	259.8	218.0	210.5	173.7	158.8	172.6
Federal Highway Admin	86.1	81.2	87.1	174.7	249.6	230.4	215.6	209.3	230.7	190.4	395.1
Federal Railroad Admin	12.8	20.6	21.6	18.6	21.5	18.5	18.1	22.0	21.1	36.8	29.9
Federal Transit Admin	2.1	1.5	14.3	18.5	33.4	22.4	19.5	10.2	10.6	14.6	12.6
Maritime Administration	1.5	1.7	1.7	1.7	2.3	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	19.2	24.5	28.3	26.9	41.4	15.0	23.0	33.3	40.3	40.5	76.2
Office of the Secretary	4.7	5.0	4.4	2.5	4.0	2.8	2.0	3.7	3.7	5.7	4.9
Research & Special Programs Administration	2.2	2.3	1.7	4.1	4.9	7.0	8.4	7.2	7.9	7.1	11.3
Dept of the Treasury, total	30.3	24.4	16.5	18.9	61.4	60.0	59.7	65.1	64.7	58.5	67.7
Bureau of Engraving & Printing	3.5	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.7	2.7
Financial Crimes Enforcement Network	1.8	1.5	1.5	0	.0	0	.0	.0	.0	.0	.0
Internal Revenue Service	17.3	17.3	6.5	11.3	49.7	51.2	50.8	52.0	55.8	51.9	62.5
Off of Thrift Supervision	3.0	.8	.7	.5	.6	.5	.6	.7	.1	.2	.2
US Customs Service	3.7	2.2	4.0	4.5	8.5	6.2	6.1	9.0	5.3	1.9	0
United States Mint	.5	.0	-	4	.3	.0	-	.1	.8	1.0	1.3
United States Secret Service	4	5	.6	5	5	5	.4	.5	.5	1.0	1.1
Department of Veterans Affairs	213.4	202.1	246.0	240.8	251.1	232.1	234.9	246.9	339.1	366.7	367.0
Other agencies											
Advisory Commission on Intergovernmental Relations	1.2	1.5	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	7	1.9	.9	9	9	.9	.9	7	.8	.6	.8
Consumer Product Safety Comm	1.3	1.2	1.2	4	4	.1	.1	-	.0	.0	.0
Environmental Protection Agcy	400.1	411.9	495.2	553.5	492.5	476.3	515.0	503.0	532.0	537.0	526.0
Fed Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	3.9	3.5
Federal Trade Commission	1.0	1.3	9	.7	.6	.5	.7	1.1	1.3	1.2	1.4
International Development Cooperation Agency, total	344.0	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	221.3	216.9
Agcy for International Development[4]	344.0	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	221.3	216.9
Library of Congress	8.6	10.0	10.7	12.5	7.7	11.0	2.5	1.6	2.1	2.0	2.0
Nat'l Aero & Space Admin	7,071.2	7,616.5	8,087.0	8,023.3	8,600.7	7,614.0	9,273.0	9,421.0	9,415.0	9,209.0	9,329.0
Nat'l Archives & Records Admin	.7	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,630.6	1,732.7	1,754.2	1,873.0	1,876.0	2,054.0	2,000.0	2,010.0	2,144.0	2,442.0	2,497.0
Nuclear Regulatory Commission	107.5	116.5	119.6	92.4	88.8	75.2	67.5	54.3	48.0	47.0	47.0
Smithsonian Institution	94.0	94.2	96.0	121.2	119.0	121.0	123.0	113.0	86.0	92.0	97.0
Social Security Admin	NA	NA	NA	NA	NA	11.5	13.6	17.4	53.3	40.3	41.6
Tennessee Valley Authority	68.6	98.8	108.6	97.9	93.1	6.1	8.9	2.7	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal outlays for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
United States Arms Control & Disarmament Agency[3]	0.4	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0
US Information Agency	2	.2	2	6	.3	.1	.2	.2	0.1	0.1	.0
US Internat'l Trade Comm	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:

- = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-94. Federal outlays for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	1,481.7	1,606.7	1,376.1	1,299.9	1,639.2	1,688.9	1,481.2	1,602.4	1,817.2	2,026.1	2,015.8
Departments											
Dept of Agriculture, total	27.7	39.0	21.3	32.8	29.2	34.3	35.0	71.1	78.5	92.3	124.2
Agricultural Research Svc	NA	35.8	18.5	30.7	25.0	26.7	32.4	63.3	58.3	51.7	55.3
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	6.1
Cooperative State Research, Ed, & Extension Service	NA	.0	.0	.8	3.8	6.9	1.6	7.0	17.5	38.6	58.0
Forest Service	3.6	3.2	2.7	1.3	.4	.7	1.0	.8	2.2	1.7	4.9
Science & Ed Admin, total	24.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	24.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	4.8	1.3	1.0	.7	9.2	4.3	7.4	4.2	10.9	9.1	14.7
Economic Development Admin	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0
Maritime Administration	.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	.3	.5	1.0	.7	9.2	4.3	6.0	2.1	10.1	8.5	8.1
National Oceanic & Atmospheric Administration	3.9	.8	.0	.0	.0	.0	1.5	2.1	.5	.5	6.6
Department of Defense, total	204.7	238.5	231.7	267.7	380.1	401.7	280.6	357.3	416.2	415.6	436.8
Department of the Air Force	103.0	130.0	67.7	103.7	191.2	199.8	89.1	194.3	207.5	199.7	200.2
Department of the Army	7.6	8.9	13.5	21.5	34.4	53.4	55.0	60.7	61.8	39.7	46.8
Department of the Navy	90.9	92.2	125.3	136.7	150.3	143.8	130.7	65.0	78.8	84.5	101.2
Defense Agencies	3.2	7.4	25.2	5.8	4.2	4.7	5.8	37.4	68.1	91.8	88.6
Department of Education	.0	.0	.0	.0	.0	.0	.8	15.8	11.1	2.3	2.8
Department of Energy	962.8	1,084.5	943.3	824.5	916.1	855.3	725.8	721.3	779.0	838.3	856.9
Department of Health & Human Services, total	76.9	42.6	36.8	26.5	34.6	42.6	32.7	31.5	30.7	56.0	55.1
Alcohol, Drug Abuse, & Mental Health Administration	1	.1	.4	1.0	4.1	1.4	.5	.6	.0	.0	.0
Food & Drug Administration	.7	.5	1.0	2.1	10.0	15.0	10.0	1.9	1.7	2.0	1.0
National Insts of Health	76.0	42.0	35.4	23.4	20.5	26.2	22.2	29.0	29.0	54.0	54.1
Dept of the Interior, total	8.7	4.1	1.3	2.4	5.2	4.2	6.1	4.8	5.1	6.8	10.5
Bonneville Power Admin	.0	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Mines	2.4	2.1	.2	1	.1	.0	.0	.0	.0	2.1	3.0
Geological Survey	.0	0	.0	1.5	1.1	.9	.9	.8	.8	1.4	1.3
Minerals Management Service	NA	NA	.0	.0	.0	.0	.0	.0	.0	.0	.2
Office of Surface Mining Reclamation & Enforcement	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Water Rsch & Tech	.7	.8	.9	.0	.0	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	5.3	1.0	.3	.8	4.0	3.3	5.2	4.0	4.3	3.4	6.0
Department of Justice, total	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
Fed Bureau of Investigation	0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
Dept of Transportation, total	16.3	16.2	13.0	9.9	12.9	14.1	15.5	11.2	11.1	12.9	16.7
Coast Guard	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.4
Federal Aviation Admin	5.5	6.1	4.3	9.2	12.4	13.6	14.3	10.4	10.5	12.6	16.3
Federal Highway Admin	3	2.8	.0	.0	.0	.0	.7	.3	.0	.0	.0
Federal Railroad Admin	10.3	6.8	8.2	.2	.0	.0	.0	.0	.2	.3	-
National Highway Traffic Safety Administration	.2	.5	.5	.5	.5	.5	.5	.5	.0	.0	.0
Dept of the Treasury, total	-	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
US Customs Service	-	.1	.1	1	.1	.1	.1	.1	.1	.1	.1
United States Secret Service	0	.0	.0	.0	.0	.0	.1	-	-	-	-
Department of Veterans Affairs	4.2	6.5	2.9	10.6	4.6	7.6	3.9	3.7	4.6	1.5	12.4

See explanatory information, if any, and SOURCE at end of table

Table C-94. Federal outlays for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Other agencies:											
Consumer Product Safety Comm	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
General Services Admin	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0
International Development Cooperation Agency, total	6.6	6.2	10.3	12.3	11.4	12.8	14.0	14.4	12.6	.0	.0
Agcy for Internat'l Dvlpmt	6.6	6.2	10.3	12.3	11.4	12.8	14.0	14.4	12.6	.0	.0
Nat'l Aero & Space Admin	140.3	146.9	112.2	108.1	191.9	246.8	299.1	313.9	398.7	531.3	437.9
National Science Foundation	17.6	12.7	1.5	2.9	43.0	64.0	57.3	49.9	56.7	56.7	38.1
Nuclear Regulatory Commission	7.4	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	.4	.4	.4	1.1	.6	.9	1.5	1.6	1.6	2.8	4.6
Tennessee Valley Authority	.6	.4	.2	.4	.2	.3	.6	.4	.5	.2	4.9
United States Arms Control & Disarmament Agency	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-94a. Federal outlays for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	2,546.1	2,784.5	3,144.5	2,177.6	2,032.4	1,865.6	1,994.8	1,834.2	2,028.7	2,090.3	2,145.3
Departments											
Dept of Agriculture, total	80.1	136.8	149.5	133.4	128.4	102.6	122.3	159.1	166.6	149.2	152.8
Agricultural Research Svc	49.4	69.4	89.2	75.3	79.1	67.5	70.9	95.0	113.9	111.8	111.7
Animal & Plant Health Inspection Service	0	0	.0	.0	.0	1.5	.0	.0	.0	.0	.0
Cooperative State Research, Ed. & Extension Service	15.5	60.2	53.8	52.8	45.1	31.1	49.3	61.5	40.6	25.5	33.1
Foreign Agricultural Svc	.0	.0	0	.4	.0	.0	0	0	.0	.0	.0
Forest Service	15.1	7.2	6.5	4.9	4.3	2.5	2.0	2.6	12.0	12.0	8.0
Department of Commerce, total	15.5	21.3	22.4	12.9	23.5	26.9	70.5	42.5	36.3	32.4	40.5
National Institute of Standards & Technology	8.3	11.4	9.6	12.7	23.0	26.9	48.9	42.5	36.3	32.4	40.5
National Oceanic & Atmospheric Administration	7.3	9.9	12.8	.3	.5	.0	21.6	.0	.0	0	0
Department of Defense, total	433.7	410.9	373.2	261.0	81.0	114.7	52.4	39.7	127.6	84.9	76.6
Department of the Air Force	218.2	186.3	231.0	153.7	26.9	54.2	25.4	3.7	73.1	45.1	37.1
Department of the Army	65.0	22.0	7.0	3.8	4.2	5.6	4.8	4.1	4.1	1.7	.4
Department of the Navy	87.0	111.0	73.5	62.9	37.5	26.6	16.9	22.9	31.5	33.5	36.3
Defense Agencies	63.5	91.6	61.7	40.6	12.4	28.3	5.3	9.0	18.8	4.6	2.8
Department of Education	2.6	2.5	12.8	1.9	1.0	.1	.0	.0	.0	0	.0
Department of Energy	1,099.8	1,198.0	1,483.2	921.8	864.1	809.9	806.7	776.3	801.9	904.0	857.0
Department of Health & Human Services, total	194.8	96.7	149.3	134.2	267.0	140.5	120.5	156.9	223.4	230.0	257.7
Food & Drug Administration	18.4	14.3	19.7	21.9	16.7	5.5	8.7	13.0	2.5	3.0	3.0
Hlth Resources & Svcs Admin	.0	.3	1.4	1.4	1.6	.7	.7	.9	.6	.6	.6
National Insts of Health	176.4	82.1	128.2	110.9	248.8	134.3	111.1	143.0	220.3	226.4	254.1
Social Security Admin	-	.0	.0	.0	.0	NA	NA	NA	NA	NA	NA
Dept of the Interior, total	20.7	17.8	20.8	7.5	6.5	2.1	6.6	1.6	1.5	1.2	1.1
Bureau of Mines	1.5	.0	.0	.0	.0	NA	NA	NA	NA	NA	NA
Geological Survey	2.9	4.4	4.0	6.3	5.3	1.1	4.8	.0	.0	.0	.0
Minerals Management Service	.2	.7	1.0	1.1	1.0	1.0	1.8	1.6	1.5	1.2	1.1
Nat'l Biological Svc	NA	NA	.0	.1	.3	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	16.1	12.7	15.8	.0	.0	.0	.0	.0	.0	.0	.0
Dept of Transportation, total	18.4	17.1	30.0	17.0	26.7	14.2	20.8	21.3	15.5	15.0	15.3
Coast Guard	.4	.4	.5	.5	.5	.5	.3	.3	.3	.3	.3
Federal Aviation Admin	16.5	15.9	25.6	11.7	14.0	6.0	18.0	18.9	14.3	13.4	13.7
Federal Highway Admin	.0	.0	.4	3.8	10.9	6.1	2.5	1.1	.0	.0	.0
Federal Railroad Admin	1.5	.8	1.3	1.0	1.3	1.6	.0	1.0	.9	1.3	1.3
Federal Transit Admin	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	.1	.1	.2	1.9	.2	.2	.1	.1	.1	.1	.0
Bureau of Engraving & Printing	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
US Customs Service	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0
United States Secret Service	-	-	-	-	-	-	.0	.0	.0	.0	.0
Department of Veterans Affairs	8.2	5.5	4.8	5.2	7.2	8.5	8.3	1.2	.3	.4	.4

See explanatory information, if any, and SOURCE at end of table.

Table C-94a. Federal outlays for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Other agencies:											
Environmental Protection Agcy	.0	.0	2.5	4.8	3.0	.0	22.0	21.0	61.0	118.0	132.0
General Services Admin	3.6	20.9	7.6	5.5	1.3	4.1	1.6	.0	.0	.0	.8
Nat'l Aero & Space Admin	603.8	770.2	798.4	553.5	515.4	480.0	442.0	320.0	337.0	338.0	398.0
National Science Foundation	56.5	80.9	87.5	110.6	101.0	158.0	318.0	292.0	255.0	214.0	210.0
Smithsonian Institution	4.5	1.2	1.2	6.2	6.0	4.0	3.0	2.5	2.5	3.0	3.0
Tennessee Valley Authority	3.7	4.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-95. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	31,386.1	34,589.6	37,822.4	40,009.0	44,012.1	50,180.4	52,951.2	57,099.7	58,826.5	63,571.6	65,831.2
Departments:											
Dept of Agriculture, total	744.5	794.7	818.7	881.5	905.4	983.6	1,007.9	1,059.6	1,151.8	1,127.5	1,210.6
Agricultural Cooperative Svc	1.6	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7
Agricultural Marketing Svc	1.3	1.1	1.2	1.4	1.5	1.7	1.6	1.5	1.6	1.5	2.7
Agricultural Research Svc	NA	411.6	426.0	466.8	480.1	498.7	532.6	522.4	561.2	578.7	589.9
Animal & Plant Health Inspection Service	.0	.0	.0	0	0	0	4.2	4.9	6.2	7.7	14.0
Cooperative State Research, Ed, & Extension Service	NA	199.4	219.0	242.3	245.7	294.3	278.6	338.3	374.7	339.4	371.1
Economic Research Service	NA	39.3	39.3	38.8	43.7	46.4	44.6	44.8	48.1	49.5	50.5
Economics & Statistics Svc	31.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	115.2	129.3	112.5	108.1	108.8	114.8	114.0	127.1	138.4	133.0	163.5
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	0	.0	.9	1.0	1.2	1.0	1.1	.6
Human Nutrition Info Svc	NA	0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0
Nat'l Agri Statistics Svc	NA	7.5	7.0	7.6	8.2	8.4	8.0	3.4	3.6	2.9	2.8
Office of International Cooperation & Development	5.3	3.9	2.6	5.3	8.2	7.7	7.0	5.6	5.0	2.5	3.6
Office of Transportation	.8	.9	.9	.8	1.0	1.2	1.0	1.1	1.1	NA	NA
Science & Ed Admin, total	589.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	405.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	184.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	347.2	329.3	337.3	335.7	367.6	403.0	408.4	407.5	400.2	407.0	453.5
Bureau of the Census	3.2	3.9	3.8	4.3	4.4	4.9	4.7	4.7	5.7	4.9	6.9
Economic Development Admin	32.3	28.1	9.6	5.3	5.1	13.0	10.3	5.0	4.2	1.0	1.2
Maritime Administration	19.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	76.4	83.0	89.9	95.7	104.9	104.7	108.5	100.7	118.7	124.2	131.0
National Oceanic & Atmospheric Administration	203.6	202.2	222.0	222.0	244.3	269.8	276.2	289.3	263.5	269.1	306.7
National Telecommunications & Information Administration	10.7	10.9	11.3	8.3	8.7	9.1	8.4	7.8	8.1	7.8	7.7
Office of the Secretary	.6	.0	-	-	.1	1.4	.3	-	.0	.0	.0
Patent & Trademark Office	.5	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	14,189.2	16,786.3	20,913.1	23,305.3	25,902.1	30,322.4	33,224.1	35,708.7	35,684.6	38,076.2	37,755.5
Department of the Air Force	5,319.0	7,128.8	9,442.6	10,951.3	12,377.0	13,552.2	13,723.9	15,618.0	15,011.0	15,487.6	15,153.6
Department of the Army	2,993.8	3,257.0	3,785.2	4,024.4	4,281.7	4,623.7	4,863.3	5,085.2	4,898.8	5,704.5	5,737.2
Department of the Navy	4,789.3	5,103.9	6,001.0	6,209.9	7,779.0	9,309.5	9,747.9	9,576.8	9,588.9	9,755.7	9,646.6
Defense Agencies	1,049.2	1,255.6	1,643.3	2,058.1	1,405.7	2,786.3	4,771.9	5,291.8	5,957.3	6,973.3	6,996.8
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	NA	.0	8.4	68.2	14.4	32.6
Test & Evaluation, Deputy Under Secretary of Defense	37.9	41.1	41.0	61.6	58.6	50.6	117.1	128.5	160.3	140.7	188.7
Department of Education	139.4	104.9	128.0	111.7	115.7	126.0	127.9	153.5	145.9	161.0	178.8
Department of Energy	5,777.8	5,896.4	5,622.2	5,294.4	5,526.0	5,834.4	5,430.6	5,529.4	5,951.4	6,065.6	6,546.6

See explanatory information, if any, and SOURCE at end of table.

Table C-95. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	3,810.8	3,950.9	3,965.4	4,400.4	4,861.8	5,493.2	5,695.5	6,643.0	7,177.6	7,981.4	8,513.4
Agency for Healthcare Research and Quality [1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.7
Alcohol, Drug Abuse, & Mental Health Administration	233.5	239.7	251.4	304.0	337.5	377.9	396.6	476.1	554.8	695.7	842.7
Centers for Disease Control & Prevention	87.3	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6
Food & Drug Administration	76.6	72.6	75.0	102.7	80.8	95.1	87.4	85.8	91.5	122.0	122.0
Health Care Financing Admin	45.7	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1
Health Resources Admin	5.1	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	10.1	13.3	18.5	19.7	12.3	9.3	10.0	10.5	11.9
Health Services Admin	26.7	20.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	49.3	73.7	27.2	23.4	18.3	24.3	54.6	53.0	54.0	101.7	95.4
National Insts of Health	3,211.2	3,355.5	3,452.6	3,806.8	4,285.2	4,856.5	5,034.5	5,886.2	6,309.9	6,833.8	7,221.3
Office of the Assistant Secretary for Health	29.9	33.1	16.1	16.6	18.1	18.6	17.3	21.2	21.0	27.2	6.9
Office of the Secretary	24.0	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0
Social Security Admin	21.4	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	13.9
Dept of Housing & Urban Dvlpmt	56.0	48.1	28.9	32.1	18.2	18.5	15.3	16.3	18.4	18.0	19.3
Dept of the Interior, total	418.8	430.6	382.4	384.9	416.1	395.9	389.6	415.7	426.1	479.8	522.6
Bonneville Power Admin	0	14.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.7	1.9	5.3	3.9	3.8	4.4	3.4	3.7	3.7	3.0	2.8
Bureau of Mines	114.4	97.4	94.8	88.6	108.8	89.9	84.4	88.8	91.3	101.2	102.3
Bureau of Reclamation	14.1	14.3	10.1	10.0	10.4	13.2	10.2	10.7	4.4	4.2	5.8
Geological Survey	146.3	169.8	152.6	158.4	209.9	215.7	219.5	227.6	236.9	281.1	309.7
Minerals Management Service	NA	NA	0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	2.0
National Park Service	8.2	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1
Office of the Secretary	2.2	1.5	.5	7.4	.1	1.9	1.0	.0	.4	.4	.2
Office of Surface Mining Reclamation & Enforcement	7.8	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7
Office of Water Rsch & Tech	30.0	21.8	12.3	2.2	3.6	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	94.1	93.3	94.2	97.7	63.3	52.4	50.5	64.3	67.8	67.5	78.9
Department of Justice, total	41.5	26.5	26.7	31.4	24.5	36.0	36.5	53.5	43.1	38.2	40.5
Bureau of Prisons	2.1	2.5	1.7	1.7	1.6	1.5	3.0	7.1	6.0	5.1	4.5
Drug Enforcement Admin	2.7	1.3	3.2	2.5	1.9	1.6	2.5	2.2	2.5	2.7	2.4
Fed Bureau of Investigation	1.4	.7	2.7	2.5	1.0	9.5	7.2	19.1	12.7	7.7	8.2
Immigration & Naturalization Service	.3	.1	.6	.6	.6	.4	.4	.4	.3	.1	.4
Office of Justice Programs	33.2	21.0	18.0	23.8	19.5	22.7	23.2	24.6	21.5	22.5	25.0
Office of Legal Policy	1.8	.8	.4	.3	.0	.3	.2	.1	.0	.0	.0
Department of Labor, total	138.1	62.2	25.4	19.9	16.3	13.3	10.4	21.6	35.6	35.4	73.0
Bureau of Labor Statistics	.9	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3
Employment Standards Admin	4.9	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1
Employment & Training Admin	121.7	52.4	16.1	9.0	6.1	3.5	3.5	5.7	14.9	15.7	53.4
Labor-Management Relations & Cooperative Programs	NA	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA
Labor-Management Services Administration	2.8	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	6.3	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5
Office of the Secretary	1.4	1.1	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1
Pension Benefit Guaranty Corp	NA	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5
Pension & Welfare Benefits Administration	NA	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1
Department of State, total	2.2	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7
Departmental Funds	2.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-95. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	384.5	434.5	322.0	369.6	465.2	437.9	397.5	336.2	318.5	318.9	388.3
Coast Guard	18.0	26.3	20.0	19.6	19.5	19.0	16.9	17.0	21.4	17.9	20.6
Federal Aviation Admin	108.8	128.9	99.4	147.6	282.6	294.8	271.5	177.7	173.8	162.3	237.5
Federal Highway Admin	58.3	51.2	40.3	50.4	46.4	49.0	46.1	76.9	74.1	91.0	91.5
Federal Railroad Admin	56.4	46.1	24.5	16.5	19.2	15.0	15.4	11.2	10.4	9.0	10.2
Federal Transit Admin	54.4	78.2	61.4	57.0	20.1	10.2	8.2	12.6	2.3	1.4	1.6
Maritime Administration	NA	14.2	11.1	15.0	9.9	13.9	9.4	5.8	.5	0	9
National Highway Traffic Safety Administration	63.8	66.4	55.9	52.5	57.4	28.6	22.9	28.4	28.3	29.7	16.9
Office of the Secretary	10.8	10.1	3.3	4.9	4.9	4.8	5.1	4.5	5.7	5.5	6.8
Research & Special Programs Administration	14.0	13.1	6.1	6.2	5.2	2.7	2.0	2.1	2.1	2.0	2.4
Dept of the Treasury, total	12.1	11.4	13.4	15.6	13.9	24.4	24.2	27.0	26.2	25.7	25.7
Bureau of Alcohol, Tobacco, & Firearms	1.6	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.3	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1
Internal Revenue Service	4.0	4.2	5.4	8.0	8.2	15.9	14.2	14.6	14.4	14.4	16.8
US Customs Service	3.9	3.5	3.2	3.4	1.9	2.3	4.9	7.1	9.3	6.9	6.3
United States Mint	.0	.0	.0	.0	0	6	3	.2	.1	2.0	.1
United States Secret Service	.4	6	0	3	.2	6	5	5	4	.6	5
Department of Veterans Affairs	137.8	159.2	140.1	171.9	196.4	229.9	191.0	215.4	234.8	245.7	241.0
Other agencies											
Advisory Commission on Intergovernmental Relations	2.2	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5
Appalachian Regional Comm	8	.4	.4	.2	.5	.2	.2	.1	.2	.8	.4
Community Services Admin	30.3	18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	6.2	.5	.2	.5	1.3	2.4	2.0	2.2	1.1	1.3	1.1
Environmental Protection Agcy	345.0	325.7	335.1	240.7	261.2	320.4	317.3	348.2	347.4	380.3	419.7
Fed Communications Commission	3.4	1.8	1.2	1.3	9	1.2	.9	1.0	1.2	1.1	1.3
Federal Emergency Management Agency, total	11.8	11.6	9.2	3.3	11.5	4.1	.0	.0	.0	0	.0
Federal Trade Commission	3.0	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5
General Services Admin	.2	.6	1.0	.5	2.4	.4	20.0	1.6	2.3	.5	19.5
International Development Cooperation Agency, total	155.6	142.2	205.9	232.0	245.0	227.2	258.7	224.3	210.6	279.1	334.6
Agcy for Internat'l Dvlpmt	155.6	142.2	205.9	232.0	245.0	227.2	258.7	224.3	210.6	279.1	334.6
Interstate Commerce Commission	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	6.9	4.9	5.7	7.4	7.5	7.1	6.6	6.5	7.1	8.0	8.4
Nat'l Aero & Space Admin	3,393.2	3,708.9	3,191.6	2,762.3	3,066.1	3,561.5	3,694.8	4,096.5	4,758.6	5,913.0	7,060.3
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4
National Science Foundation	900.5	976.2	976.8	1,065.2	1,248.0	1,419.1	1,406.5	1,531.8	1,589.6	1,724.0	1,728.8
Nuclear Regulatory Commission	190.4	227.3	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8
Office of Personnel Management	6.8	8.4	.0	.0	0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.2	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1
Smithsonian Institution	41.9	45.3	52.9	57.0	63.8	72.7	64.0	74.4	75.8	83.6	88.8
Tennessee Valley Authority	80.7	69.3	85.3	63.3	68.3	80.0	78.3	78.2	87.7	62.8	69.8
United States Arms Control & Disarmament Agency	3.8	2.4	1.9	1.0	1.3	1.1	.9	4.6	3.4	2.8	.2
US Information Agency	.1	1.5	.1	-	1.4	.1	2.0	3.5	.4	.1	.5
US Internat'l Trade Comm	2.1	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies. Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	64,148.0	68,577.2	70,414.7	69,450.8	70,442.9	69,399.2	71,753.4	73,914.0	77,386.4	81,772.6	83,609.4
Departments											
Dept of Agriculture, total	1,381.3	1,491.8	1,470.2	1,525.6	1,523.6	1,428.7	1,572.8	1,530.8	1,745.2	1,878.6	1,892.6
Agricultural Cooperative Svc	2.8	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.2	4.7	4.7	4.8	4.8	4.9	4.8	4.7	4.7	5.0	5.3
Agricultural Research Svc	655.7	725.2	705.5	757.0	751.0	743.1	806.6	844.2	973.6	1,013.2	1,073.9
Animal & Plant Health Inspection Service	15.7	16.7	17.1	19.2	19.1	19.5	19.8	20.5	20.4	20.5	21.3
Cooperative State Research, Ed, & Extension Service	438.3	481.2	479.2	471.6	489.0	418.9	496.7	387.3	463.1	549.4	483.0
Economic Research Service	54.4	58.9	58.9	55.2	53.8	53.0	53.0	71.5	62.5	65.4	55.4
Food Safety Inspection Svc	0	0	.0	.0	0	-	-	.2	.7	.1	.1
Foreign Agricultural Svc	.0	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4
Forest Service	193.1	184.3	186.3	198.0	197.8	180.4	181.8	190.4	209.0	213.0	237.0
Grain Inspection Packers & Stockyards Administration	.7	1.5	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.4	5.6
Human Nutrition Info Svc	9.9	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.2	3.6	3.9	3.9	4.0	3.8	3.4	3.3	3.6	3.9	3.9
Office of International Cooperation & Development	3.1	1.5	1.5	.0	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.3	5.6
Department of Commerce, total	505.4	672.2	681.7	857.3	1,213.7	1,152.0	1,046.5	970.0	1,009.8	1,267.8	1,162.9
Bureau of the Census	6.6	5.3	5.4	4.8	4.9	6.3	5.1	8.6	15.0	13.0	.3
Economic Development Admin	1.4	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	148.4	190.2	219.8	284.1	640.5	601.0	482.1	415.7	421.8	644.8	516.9
National Oceanic & Atmospheric Administration	345.3	472.2	452.4	562.9	561.4	528.5	530.9	519.5	547.2	588.8	591.2
National Telecommunications & Information Administration	3.6	4.0	4.2	4.8	6.4	15.7	27.8	25.5	25.2	20.7	54.0
Office of the Secretary	.0	.0	.0	.0	-	-	.0	.0	.0	.0	.0
Department of Defense, total	32,560.5	36,526.0	36,220.7	34,818.9	33,856.8	34,582.2	34,873.8	35,352.0	35,753.4	36,94[illegible].7	36,461.8
Department of the Air Force	11,089.8	13,606.8	12,866.9	12,626.8	11,835.7	13,066.5	13,990.6	13,865.2	14,069.5	14,268.3	13,767.0
Department of the Army	6,172.5	6,876.2	6,227.2	5,576.2	5,424.7	4,879.7	4,825.2	5,041.7	5,043.5	5,444.7	5,310.7
Department of the Navy	7,860.0	8,126.8	9,148.3	9,005.1	8,974.5	8,614.4	8,252.5	8,190.8	8,862.4	9,398.8	8,786.8
Defense Agencies	7,200.9	7,670.5	7,723.3	7,367.8	7,369.1	7,742.0	7,509.1	7,981.9	7,476.0	7,555.7	8,381.6
Operational Test & Evaluation, Director	13.6	12.4	12.3	11.2	21.7	21.9	26.6	30.3	44.7	28.9	176.0
Test & Evaluation, Deputy Under Secretary of Defense	223.7	233.2	242.5	231.8	231.0	257.7	269.7	242.0	257.3	247.3	39.7
Department of Education	175.2	170.9	179.9	178.4	179.4	173.7	181.2	204.5	223.7	246.8	307.3
Department of Energy	7,203.2	7,493.0	7,723.7	6,959.8	6,890.0	6,050.8	6,332.8	6,600.9	6,875.9	7,125.7	7,656.9

See explanatory information, if any, and SOURCE at end of table.

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Department of Health & Human Services, total	9,842.3	9,084.6	10,498.5	11,141.7	11,711.0	12,084.2	13,045.3	14,187.9	16,167.6	18,502.8	19,462.6
Administration on Aging	20.6	20.2	20.9	19.1	20.7	3.7	4.4	10.4	18.5	31.7	31.7
Administration for Children & Families	129.0	39.2	19.9	11.3	12.0	12.6	17.4	23.5	24.9	30.5	31.9
Agency for Healthcare Research and Quality[1]	101.1	106.3	114.8	154.4	135.3	125.2	144.0	146.5	182.3	198.8	250.0
Alcohol, Drug Abuse, & Mental Health Administration	1,460.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	113.4	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	477.1	518.0
Food & Drug Administration	143.5	150.0	174.2	177.8	175.8	176.4	173.1	171.0	133.4	143.2	163.9
Health Care Financing Admin	69.1	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.8	55.0
Hlth Resources & Svcs Admin	11.0	10.5	11.0	17.8	14.8	11.8	13.8	13.8	13.4	13.7	13.7
National Insts of Health	7,763.4	8,491.4	9,893.3	10,439.9	10,930.6	11,377.9	12,237.9	13,137.5	15,005.0	17,228.6	18,094.8
Office of the Assistant Secretary for Health	10.0	6.7	1.2	.8	3	NA	NA	NA	NA	NA	NA
Off of the Secretary, total	8.8	5.0	8.0	11.7	9.1	10.7	19.0	17.0	17.7	20.8	21.6
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0
Office of Public Health & Science	NA	NA	NA	NA	NA	1.7	6	3.1	3.8	4.1	4.6
Social Security Admin	11.9	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[2]	NA	NA	NA	NA	NA	16.7	69.1	273.4	289.3	296.7	282.2
Dept of Housing & Urban Dvlpmt	27.8	25.1	23.6	39.6	41.8	33.1	33.5	28.0	57.0	57.8	62.7
Dept of the Interior, total	615.1	627.6	642.2	703.1	568.3	569.5	587.1	533.5	642.9	567.1	620.5
Bureau of Land Management	8.8	6.3	8.9	.0	0	0	.0	0	.0	.0	0
Bureau of Mines	108.2	107.1	111.9	107.9	0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	8.7	13.2	10.3	7.4	8.0	6.5	7.1	8.8	10.3	8.5	8.9
Geological Survey	359.8	365.7	360.4	377.4	367.4	520.1	531.2	464.1	579.1	501.9	553.8
Minerals Management Service	2.9	4.8	6.9	21.8	21.0	22.6	22.8	30.8	30.1	30.0	29.8
Nat'l Biological Svc	NA	NA	0	164.2	152.1	NA	NA	NA	NA	NA	NA
National Park Service	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	23.4	26.7	28.0
Office of the Secretary	6	9	.4	.1	-	.0	0	.0	0	.0	.0
Office of Surface Mining Reclamation & Enforcement	1.0	.3	.5	.0	0	.0	.0	.0	.0	.0	.0
US Fish & Wildlife Service	97.6	98.2	104.8	.0	.0	.0	0	0	0	.0	.0
Department of Justice, total	48.9	48.0	48.9	45.0	57.9	77.3	84.7	100.6	118.6	106.4	102.8
Bureau of Prisons	5.2	5.9	6.1	5.4	5.7	5.2	4.6	8.1	11.0	6.4	6.6
Drug Enforcement Admin	2.7	1.4	.9	.9	4	1.2	-	.0	.0	.0	.0
Fed Bureau of Investigation	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	36.4	41.4
Immigration & Naturalization Service	.4	.4	.4	4	4	.2	4	0	2	.7	6
Office of Justice Programs	29.8	29.4	30.2	31.4	40.5	37.2	44.2	56.7	71.1	63.0	54.2
Department of Labor, total	44.0	51.7	55.0	59.7	55.4	52.4	35.1	27.8	54.1	61.0	66.0
Bureau of Labor Statistics	7.5	7.6	6.9	7.1	14.8	13.3	12.6	12.4	12.4	12.3	12.3
Employment & Training Admin	22.1	31.7	35.9	40.0	25.6	26.9	14.1	7.2	33.8	37.2	38.9
Occupational Safety & Health Administration	2.6	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	4.4	5.0
Office of the Secretary	8.7	5.9	5.8	5.3	6.3	2.6	.2	.2	1.0	3.0	5.3
Pension Benefit Guaranty Corp	5	.9	1.3	1.3	8	.7	7	6	.7	.7	.7
Pension & Welfare Benefits Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	3.4	3.8
Department of State[3]	5.9	5.6	5.3	4	.5	9	1.0	9	1.5	1.5	1.5

See explanatory information, if any, and SOURCE at end of table.

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Transportation, total	398.3	470.3	577.6	661.7	755.8	584.3	545.9	583.7	681.5	714.5	881.7
Coast Guard	25.9	20.5	33.4	22.8	20.2	20.5	23.3	20.7	20.5	21.3	20.6
Federal Aviation Admin	236.4	260.2	271.3	318.6	310.1	228.9	226.3	242.3	219.6	229.1	278.8
Federal Highway Admin	86.9	131.0	175.7	242.0	315.6	247.3	211.2	229.3	333.2	357.0	426.9
Federal Railroad Admin	17.6	22.8	26.8	20.6	30.1	30.1	19.5	22.6	20.9	28.9	26.8
Federal Transit Admin	1.7	1.7	31.3	19.9	28.7	13.7	17.0	17.6	20.5	16.9	15.2
Maritime Administration	1.7	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	21.4	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	95.3
Office of the Secretary	4.3	4.1	4.5	5.4	3.9	2.8	3.5	3.4	9.1	3.7	4.7
Research & Special Programs Administration	2.4	2.5	1.3	5.3	5.0	7.7	8.7	6.3	7.3	7.1	13.4
Dept of the Treasury, total	31.0	24.8	16.8	19.1	61.5	60.2	59.8	65.2	64.8	58.7	67.8
Bureau of Engraving & Printing	3.5	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.7	2.7
Financial Crimes Enforcement Network	2.3	1.2	1.5	0	0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.9	17.9	6.5	11.3	49.7	51.2	50.8	52.0	55.8	51.9	62.5
Off of Thrift Supervision	3.0	.8	.7	.5	.6	.5	6	.7	.1	.2	.2
US Customs Service	3.8	2.3	4.1	4.6	8.6	6.3	6.3	9.2	5.4	2.0	.0
United States Mint	.1	.0	1	.5	.3	.0	-	.1	.8	1.1	1.3
United States Secret Service	.4	.6	6	.5	.6	5	4	.5	.5	1.0	1.1
Department of Veterans Affairs	220.0	229.6	239.5	259.7	245.1	259.9	284.0	277.5	339.4	367.1	367.4
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	.7	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.8
Consumer Product Safety Comm	1.3	1.1	1.2	.3	4	-	.1	.0	.0	.0	.0
Environmental Protection Agcy	432.6	483.9	497.8	558.3	556.3	464.3	517.2	637.2	668.8	646.8	672.1
Fed Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	3.9	3.5
Federal Trade Commission	1.0	1.3	.9	.7	6	.5	.7	1.1	1.3	1.2	1.4
General Services Admin	22.6	6.5	1.0	.3	5.1	.1	-	.0	.0	.0	-
International Development Cooperation Agency, total	377.7	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	221.3	216.9
Agcy for International Development[4]	377.7	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	221.3	216.9
Library of Congress	9.0	10.3	10.5	10.0	10.2	10.6	2.4	1.5	2.4	1.9	2.1
Nat'l Aero & Space Admin	8,003.8	8,475.4	8,769.2	8,811.5	9,639.7	8,987.5	9,661.1	9,918.0	9,885.2	9,929.6	9,965.9
Nat'l Archives & Records Admin	.7	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,944.8	1,970.0	2,012.3	2,212.2	2,438.9	2,375.5	2,452.3	2,473.7	2,679.6	2,863.2	3,430.7
Nuclear Regulatory Commission	108.8	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	53.0
Smithsonian Institution	99.5	101.8	107.0	129.2	129.0	132.0	134.0	123.0	93.0	101.0	107.0
Social Security Admin	NA	NA	NA	NA	NA	11.5	13.6	17.4	53.3	40.3	41.6
Tennessee Valley Authority	73.1	100.5	109.6	97.9	93.1	6.1	8.9	2.7	.0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-95a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
United States Arms Control & Disarmament Agency[3]	0.4	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0
US Information Agency	.1	.0	1.1	.6	.3	.1	.2	.3	0.1	0.1	.0
US Internat'l Trade Comm	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-96. Federal obligations for research and development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5
Departments:											
Dept of Agriculture, total	687.6	774.0	797.3	847.6	866.2	943.0	928.5	947.9	1,016.6	1,038.3	1,108.4
Agricultural Cooperative Svc	1.6	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7
Agricultural Marketing Svc	1.3	1.1	1.2	1.4	1.5	1.7	1.6	1.5	1.6	1.5	2.7
Agricultural Research Svc	NA	394.1	404.9	443.4	451.3	469.7	463.4	478.6	505.7	523.5	545.5
Animal & Plant Health Inspection Service	.0	.0	.0	0	0	.0	4.2	4.9	5.6	7.4	8.0
Cooperative State Research, Ed. & Extension Service	NA	199.4	219.0	232.3	235.7	284.3	269.0	270.7	298.4	307.3	324.2
Economic Research Service	NA	39.3	39.3	38.8	43.7	46.4	44.6	44.8	48.1	49.5	50.5
Economics & Statistics Svc	31.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	111.5	126.1	112.1	107.7	108.4	113.1	113.3	126.7	135.5	131.4	158.6
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	0	0	.9	1.0	1.2	1.0	1.1	.6
Human Nutrition Info Svc	NA	0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0
Nat'l Agri Statistics Svc	NA	7.5	7.0	7.6	8.2	8.4	8.0	3.4	3.6	2.9	2.8
Office of International Cooperation & Development	5.3	3.9	2.6	5.3	8.2	7.7	7.0	5.6	5.0	2.5	3.6
Office of Transportation	.8	.9	.9	.8	1.0	1.2	1.0	1.1	1.1	NA	NA
Science & Ed Admin, total	536.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	351.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	184.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	342.5	327.9	336.3	335.0	358.2	398.8	399.2	402.2	388.9	397.9	438.2
Bureau of the Census	3.2	3.9	3.8	4.3	4.4	4.9	4.7	4.7	5.7	4.9	6.9
Economic Development Admin	32.3	28.1	9.6	5.3	5.1	13.0	10.3	5.0	4.2	1.0	1.2
Maritime Administration	19.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	76.2	82.5	88.8	95.0	95.5	100.5	100.8	98.6	107.9	115.5	122.3
National Oceanic & Atmospheric Administration	199.8	201.4	222.0	222.0	244.3	269.8	274.7	286.1	263.0	268.6	300.1
National Telecommunications & Information Administration	10.7	10.9	11.3	8.3	8.7	9.1	8.4	7.8	8.1	7.8	7.7
Office of the Secretary	.6	0	-	-	.1	1.4	.3	-	.0	.0	.0
Patent & Trademark Office	.5	1.1	.7	.0	0	0	.0	.0	.0	.0	.0
Department of Defense, total	13,981.0	16,508.6	20,622.6	22,992.8	25,372.9	29,791.5	32,937.9	35,231.5	35,248.9	37,576.9	37,268.1
Department of the Air Force	5,211.0	6,969.2	9,357.9	10,812.6	12,091.6	13,260.9	13,593.8	15,347.7	14,867.3	15,237.4	14,831.4
Department of the Army	2,980.0	3,244.2	3,760.5	3,998.1	4,225.5	4,570.8	4,809.4	5,019.5	4,806.0	5,659.3	5,684.1
Department of the Navy	4,706.1	5,006.0	5,845.1	6,068.2	7,605.6	9,127.4	9,650.3	9,507.8	9,514.1	9,666.1	9,586.2
Defense Agencies	1,046.0	1,248.2	1,618.1	2,052.3	1,391.5	2,781.7	4,767.4	5,219.7	5,832.9	6,858.9	6,945.2
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	NA	.0	8.4	68.2	14.4	32.6
Test & Evaluation, Deputy Under Secretary of Defense	37.9	41.1	41.0	61.6	58.6	50.6	117.1	128.5	160.3	140.7	188.7
Department of Education	139.4	104.9	128.0	111.7	115.7	124.9	121.3	132.5	140.7	159.1	169.9
Department of Energy	4,753.7	4,918.2	4,708.2	4,536.7	4,673.6	4,966.0	4,688.3	4,757.2	5,036.4	5,192.6	5,630.6

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research and development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	3,780.2	3,927.1	3,940.7	4,352.5	4,830.7	5,451.0	5,657.6	6,606.3	7,158.0	7,902.8	8,405.6
Agency for Healthcare Research and Quality[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.7
Alcohol, Drug Abuse, & Mental Health Administration	233.5	239.4	248.1	302.2	337.2	377.6	396.1	475.5	554.8	695.7	842.7
Centers for Disease Control & Prevention	87.3	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6
Food & Drug Administration	75.4	71.4	73.0	74.2	77.8	82.1	79.4	85.0	91.0	99.0	99.0
Health Care Financing Admin	45.7	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1
Health Resources Admin	5.1	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	10.1	13.3	18.5	19.7	12.3	9.3	10.0	10.5	11.9
Health Services Admin	26.7	20.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	49.3	73.7	27.2	23.4	18.3	24.3	54.6	53.0	54.0	101.7	95.4
National Insts of Health	3,181.8	3,333.2	3,433.1	3,789.2	4,257.4	4,827.7	5,005.1	5,850.9	6,290.9	6,778.3	7,136.5
Office of the Assistant Secretary for Health	29.9	33.1	16.1	16.6	18.1	18.6	17.3	21.2	21.0	27.2	6.9
Office of the Secretary	24.0	19.5	13.4	14.4	10.4	9.6	6.1	8.2	4.7	7.8	5.0
Social Security Admin	21.4	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	13.9
Dept of Housing & Urban Dvlpmt	56.0	48.1	28.9	32.1	18.2	18.5	15.3	16.3	18.4	18.0	19.3
Dept of the Interior, total	411.3	427.1	381.1	382.5	410.9	391.7	385.2	403.8	416.8	469.0	508.5
Bonneville Power Admin	.0	14.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.7	1.9	5.3	3.9	3.8	4.4	3.4	3.7	3.7	3.0	2.8
Bureau of Mines	113.4	96.7	94.7	88.5	108.8	89.9	84.4	88.8	91.3	98.7	99.3
Bureau of Reclamation	14.1	14.3	10.1	10.0	10.4	13.2	10.2	10.7	4.4	4.2	5.8
Geological Survey	146.3	169.8	152.6	157.0	208.9	214.9	218.6	226.8	236.1	279.9	308.4
Minerals Management Service	NA	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	1.9
National Park Service	8.2	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1
Office of the Secretary	2.2	1.5	.5	7.4	.1	1.9	1.0	.0	.4	.4	.2
Office of Surface Mining Reclamation & Enforcement	7.5	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7
Office of Water Rsch & Tech	29.3	21.1	11.4	2.2	3.6	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	88.6	91.5	93.9	96.7	59.1	49.0	47.0	53.3	59.2	60.6	69.4
Department of Justice, total	41.5	26.5	26.7	31.4	24.5	36.0	36.5	42.4	43.1	38.2	40.5
Bureau of Prisons	2.1	2.5	1.7	1.7	1.6	1.5	3.0	7.1	6.0	5.1	4.5
Drug Enforcement Admin	2.7	1.3	3.2	2.5	1.9	1.6	2.5	2.2	2.5	2.7	2.4
Fed Bureau of Investigation	1.4	.7	2.7	2.5	1.0	9.5	7.2	8.0	12.7	7.7	8.2
Immigration & Naturalization Service	.3	.1	.6	.6	.6	.4	.4	.4	.3	.1	.4
Office of Justice Programs	33.2	21.0	18.0	23.8	19.5	22.7	23.2	24.6	21.5	22.5	25.0
Office of Legal Policy	1.8	.8	.4	.3	.0	.3	.2	.1	.0	.0	.0
Department of Labor, total	138.1	62.2	25.4	19.9	16.3	13.3	10.4	21.6	35.6	35.4	73.0
Bureau of Labor Statistics	.9	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3
Employment Standards Admin	4.9	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1
Employment & Training Admin	121.7	52.4	16.1	9.0	6.1	3.5	3.5	5.7	14.9	15.7	53.4
Labor-Management Relations & Cooperative Programs	NA	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA
Labor-Management Services Administration	2.8	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	6.3	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5
Office of the Secretary	1.4	1.1	.9	1.5	1.9	2.6	2.1	2.7	6.1	6.1	7.1
Pension Benefit Guaranty Corp	NA	.5	1.1	1.1	.3	.2	.1	.3	.3	.3	.5
Pension & Welfare Benefits Administration	NA	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1
Department of State, total	2.2	1.8	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7
Departmental Funds	2.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table

Table C-96. Federal obligations for research and development, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	361.2	415.5	310.1	347.7	448.3	428.9	385.5	325.0	304.6	303.3	366.6
Coast Guard	18.0	26.3	20.0	19.6	19.5	19.0	16.9	17.0	21.1	17.9	20.2
Federal Aviation Admin	103.1	120.0	94.3	126.2	266.2	286.3	260.6	167.3	160.5	146.8	216.1
Federal Highway Admin	51.1	51.2	40.3	50.4	46.4	49.0	45.5	76.7	74.1	91.0	91.5
Federal Railroad Admin	46.2	36.6	18.2	16.5	19.2	15.0	15.4	11.2	10.0	9.0	10.2
Federal Transit Admin	54.4	78.2	61.4	57.0	20.1	10.2	8.2	12.6	2.3	1.4	1.6
Maritime Administration	NA	14.2	11.1	15.0	9.9	13.9	9.4	5.8	.5	.0	.9
National Highway Traffic Safety Administration	63.6	65.9	55.4	52.0	56.9	28.1	22.4	27.9	28.3	29.7	16.9
Office of the Secretary	10.8	10.1	3.3	4.9	4.9	4.8	5.1	4.5	5.7	5.5	6.8
Research & Special Programs Administration	14.0	13.1	6.1	6.2	5.2	2.7	2.0	2.1	2.1	2.0	2.4
Dept of the Treasury, total	12.0	11.3	13.3	15.6	13.9	24.3	24.0	26.9	26.1	25.6	25.6
Bureau of Alcohol, Tobacco, & Firearms	1.6	.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	2.3	2.7	4.8	3.9	3.6	5.0	4.2	4.5	2.0	1.7	2.1
Internal Revenue Service	4.0	4.2	5.4	8.0	8.2	15.9	14.2	14.6	14.4	14.4	16.8
US Customs Service	3.8	3.5	3.1	3.3	1.8	2.2	4.8	7.0	9.2	6.8	6.2
United States Mint	.0	.0	.0	.0	.0	.6	.3	.2	.1	2.0	.1
United States Secret Service	.4	.6	.0	.3	.2	.6	.4	.5	.4	.6	.5
Department of Veterans Affairs	133.4	144.4	137.3	161.4	190.3	226.6	186.2	209.5	215.3	234.7	237.7
Other agencies											
Advisory Commission on Intergovernmental Relations	2.2	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5
Appalachian Regional Comm	.8	.4	.4	.2	.5	.2	.2	.1	.2	.8	.4
Community Services Admin	30.3	18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	3.5	.5	.2	.5	1.3	2.4	2.0	2.2	1.1	1.3	1.1
Environmental Protection Agcy	345.0	325.7	335.1	240.7	261.2	320.4	317.3	348.2	347.4	380.3	419.7
Fed Communications Commission	3.4	1.8	1.2	1.3	.9	1.2	.9	1.0	1.2	1.1	1.3
Federal Emergency Management Agency, total	11.8	11.6	9.2	3.3	11.5	4.1	.0	0	.0	.0	.0
Federal Trade Commission	3.0	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5
General Services Admin	.2	.6	1.0	.5	2.4	.4	1.2	1.6	2.3	.5	.7
International Development Cooperation Agency, total	149.3	134.2	199.9	227.3	237.2	220.4	251.2	217.5	204.4	279.1	334.6
Agcy for Internat'l Dvlpmt	149.3	134.2	199.9	227.3	237.2	220.4	251.2	217.5	204.4	279.1	334.6
Interstate Commerce Commission	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	6.9	4.9	5.7	7.4	7.5	7.1	6.6	6.5	7.1	8.0	8.4
Nat'l Aero & Space Admin	3,234.1	3,593.2	3,077.9	2,661.5	2,821.9	3,327.2	3,419.8	3,787.1	4,330.4	5,393.5	6,533.2
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.5	1.0	1.1	.7	.3	.4
National Science Foundation	881.8	961.6	975.3	1,062.0	1,202.8	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5
Nuclear Regulatory Commission	182.7	219.7	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8
Office of Personnel Management	6.8	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.2	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1
Smithsonian Institution	41.0	44.9	52.4	56.0	63.6	71.1	63.3	71.5	75.1	80.2	84.0
Tennessee Valley Authority	80.1	68.9	85.0	63.0	68.1	79.5	77.5	77.9	87.3	62.6	64.9
United States Arms Control & Disarmament Agency	3.8	2.4	1.9	1.0	1.3	1.1	.9	3.6	3.4	2.8	.2
US Information Agency	.1	1.5	.1	-	1.4	.1	2.0	3.5	.4	.1	.5
US Internat'l Trade Comm	2.1	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:

- = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	61,295.2	65,592.6	67,314.0	67,235.4	68,186.8	67,653.0	69,826.8	72,100.7	75,340.6	79,470.3	81,526.2
Departments											
Dept of Agriculture, total	1,236.6	1,327.1	1,327.8	1,399.9	1,380.2	1,300.3	1,388.6	1,441.0	1,614.1	1,752.0	1,779.3
Agricultural Cooperative Svc	2.8	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	4.2	4.7	4.7	4.8	4.8	4.9	4.8	4.7	4.7	5.0	5.3
Agricultural Research Svc	591.0	627.1	627.2	678.7	683.3	675.2	687.6	757.9	855.1	901.5	968.7
Animal & Plant Health Inspection Service	15.7	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.5	21.3
Cooperative State Research, Ed, & Extension Service	376.8	418.2	418.6	429.0	417.7	362.4	433.5	386.4	462.5	546.5	483.0
Economic Research Service	54.4	58.9	58.9	55.2	53.8	53.0	53.0	71.5	62.5	65.4	55.4
Food Safety Inspection Svc	.0	0	0	.0	.0	-	-	.2	.7	.1	.1
Foreign Agricultural Svc	0	0	0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4
Forest Service	174.7	180.7	182.7	193.1	193.5	177.9	179.8	187.8	197.0	201.0	229.0
Grain Inspection Packers & Stockyards Administration	.7	1.5	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.4	5.6
Human Nutrition Info Svc	9.9	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.2	3.6	3.9	3.9	4.0	3.8	3.4	3.3	3.6	3.9	3.9
Office of International Cooperation & Development	3.1	1.5	1.5	.0	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.3	5.6
Department of Commerce, total	489.6	651.2	656.3	826.1	1,136.0	1,067.5	1,003.1	948.6	990.2	1,041.4	1,127.0
Bureau of the Census	6.6	5.3	5.4	4.8	4.9	6.3	5.1	8.6	15.0	13.0	.3
Economic Development Admin	1.4	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	140.0	179.0	207.2	253.2	563.3	516.5	460.4	394.4	402.2	418.4	481.0
National Oceanic & Atmospheric Administration	338.0	462.4	439.5	562.6	560.9	528.5	509.3	519.5	547.2	588.8	591.2
National Telecommunications & Information Administration	3.6	4.0	4.2	4.8	6.4	15.7	27.8	25.5	25.2	20.7	54.0
Office of the Secretary	0	.0	0	0	-	-	.0	.0	.0	.0	.0
Department of Defense, total	32,134.8	36,129.5	35,849.1	34,553.2	33,796.3	34,535.4	34,788.3	35,286.2	35,645.9	36,875.9	36,396.6
Department of the Air Force	10,937.5	13,427.1	12,635.3	12,527.4	11,797.9	13,042.1	13,951.5	13,839.1	14,022.3	14,246.2	13,745.6
Department of the Army	6,081.5	6,854.2	6,209.1	5,574.1	5,419.3	4,873.6	4,821.1	5,037.7	5,038.9	5,444.7	5,310.7
Department of the Navy	7,806.0	8,030.8	9,102.9	8,929.0	8,963.3	8,606.4	8,215.5	8,156.3	8,826.8	9,360.6	8,748.6
Defense Agencies	7,072.5	7,571.7	7,647.0	7,279.7	7,363.2	7,733.8	7,503.8	7,980.8	7,455.9	7,548.2	8,375.9
Operational Test & Evaluation, Director	13.6	12.4	12.3	11.2	21.7	21.9	26.6	30.3	44.7	28.9	176.0
Test & Evaluation, Deputy Under Secretary of Defense	223.7	233.2	242.5	231.8	231.0	257.7	269.7	242.0	257.3	247.3	39.7
Department of Education	171.0	168.5	177.7	176.6	177.6	173.7	181.2	204.5	223.7	246.8	307.3
Department of Energy	5,983.1	6,172.2	6,262.1	6,048.0	6,145.0	5,344.9	5,603.5	5,873.8	6,009.7	6,305.6	6,793.5

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Department of Health & Human Services, total	9,756.0	8,987.8	10,349.2	11,021.5	11,455.2	11,951.1	12,785.3	13,901.7	15,914.7	18,140.4	19,234.6
Administration on Aging	20.6	20.2	20.9	19.1	20.7	3.7	4.4	10.4	18.5	31.7	31.7
Administration for Children & Families	129.0	39.2	19.9	11.3	12.0	12.6	17.4	23.5	24.9	30.5	31.9
Agency for Healthcare Research and Quality[1]	101.1	106.3	114.8	154.4	135.3	125.2	144.0	146.5	182.3	198.8	250.0
Alcohol, Drug Abuse, & Mental Health Administration	1,460.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	113.4	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	477.1	518.0
Food & Drug Administration	125.0	135.7	154.5	169.4	170.5	170.8	158.6	142.9	130.8	140.2	160.9
Health Care Financing Admin	69.1	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.8	55.0
Hlth Resources & Svcs Admin	11.0	10.1	9.6	16.4	13.2	11.1	13.1	12.9	12.8	13.0	13.1
National Insts of Health	7,695.5	8,409.2	9,765.1	10,329.4	10,681.8	11,251.0	11,993.0	12,880.2	14,755.4	16,869.7	17,870.4
Office of the Assistant Secretary for Health	10.0	6.7	1.2	8	.3	NA	NA	NA	NA	NA	NA
Off of the Secretary, total	8.8	5.0	8.0	11.7	9.1	10.7	19.0	17.0	17.7	20.8	21.6
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0
Office of Public Health & Science	NA	NA	NA	NA	NA	1.7	.6	3.1	3.8	4.1	4.6
Social Security Admin	11.9	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[2]	NA	NA	NA	NA	NA	16.7	69.1	273.4	289.3	296.7	282.2
Dept of Housing & Urban Dvlpmt	27.8	25.1	23.6	39.6	41.8	33.1	33.5	28.0	57.0	57.8	62.7
Dept of the Interior, total	592.9	609.2	619.1	694.1	561.6	567.5	579.9	532.0	641.5	566.0	619.4
Bureau of Land Management	8.8	6.3	8.9	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	106.1	107.1	111.9	107.9	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	8.7	13.2	10.3	7.4	8.0	6.5	7.1	8.8	10.3	8.5	8.9
Geological Survey	356.6	361.4	356.7	371.1	362.0	518.9	526.3	464.1	579.1	501.9	553.8
Minerals Management Service	2.7	3.8	5.8	20.6	20.0	21.9	20.6	29.3	28.8	28.9	28.7
Nat'l Biological Svc	NA	NA	.0	162.8	151.8	NA	NA	NA	NA	NA	NA
National Park Service	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	23.4	26.7	28.0
Office of the Secretary	.6	.9	.4	.1	-	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	1.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0
US Fish & Wildlife Service	81.0	85.1	86.5	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	48.9	48.0	48.9	45.0	57.9	77.3	84.7	100.6	118.6	106.4	102.8
Bureau of Prisons	5.2	5.9	6.1	5.4	5.7	5.2	4.6	8.1	11.0	6.4	6.6
Drug Enforcement Admin	2.7	1.4	.9	.9	.4	1.2	-	.0	.0	.0	.0
Fed Bureau of Investigation	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	36.4	41.4
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.2	.4	.0	.2	.7	.6
Office of Justice Programs	29.8	29.4	30.2	31.4	40.5	37.2	44.2	56.7	71.1	63.0	54.2
Department of Labor, total	44.0	51.7	55.0	59.7	55.4	52.4	35.1	27.8	54.1	61.0	66.0
Bureau of Labor Statistics	7.5	7.6	6.9	7.1	14.8	13.3	12.6	12.4	12.4	12.3	12.3
Employment & Training Admin	22.1	31.7	35.9	40.0	25.6	26.9	14.1	7.2	33.8	37.2	38.9
Occupational Safety & Health Administration	2.6	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	4.4	5.0
Office of the Secretary	8.7	5.9	5.8	5.3	6.3	2.6	.2	.2	1.0	3.0	5.3
Pension Benefit Guaranty Corp	.5	.9	1.3	1.3	.8	.7	.7	.6	.7	.7	.7
Pension & Welfare Benefits Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	3.4	3.8
Department of State[3]	5.9	5.6	5.3	.4	.5	.9	1.0	.9	1.5	1.5	1.5

See explanatory information, if any, and SOURCE at end of table

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Transportation, total	379.9	445.0	545.3	620.7	727.0	552.5	526.9	566.1	667.0	700.1	866.1
Coast Guard	25.5	20.1	32.9	22.3	19.7	20.0	22.9	20.4	20.3	21.1	20.4
Federal Aviation Admin	220.1	236.2	248.9	285.6	288.4	208.3	209.1	228.0	205.3	216.3	264.8
Federal Highway Admin	86.9	130.2	174.9	235.7	312.5	240.0	210.3	227.3	333.2	357.0	426.9
Federal Railroad Admin	15.9	22.7	25.2	19.5	26.5	26.7	18.9	21.5	20.9	27.6	25.5
Federal Transit Admin	1.7	1.7	24.3	19.9	28.7	13.7	17.0	17.6	20.5	16.9	15.2
Maritime Administration	1.7	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	21.4	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	95.3
Office of the Secretary	4.3	4.1	4.5	5.4	3.9	2.8	3.5	3.4	9.1	3.7	4.7
Research & Special Programs Administration	2.4	2.5	1.3	5.3	5.0	7.7	8.7	6.3	7.3	7.1	13.4
Dept of the Treasury, total	30.8	24.6	16.6	19.0	61.4	60.0	59.7	65.1	64.7	58.6	67.8
Bureau of Engraving & Printing	3.5	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.7	2.7
Financial Crimes Enforcement Network	2.3	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.9	17.9	6.5	11.3	49.7	51.2	50.8	52.0	55.8	51.9	62.5
Off of Thrift Supervision	3.0	.8	.7	.5	.6	.5	.6	.7	.1	.2	.2
US Customs Service	3.7	2.2	4.0	4.5	8.5	6.2	6.1	9.0	5.3	1.9	.0
United States Mint	.1	.0	.1	.5	.3	.0	-	.1	.8	1.1	1.3
United States Secret Service	.4	.5	.6	.5	.5	.5	.4	.5	.5	1.0	1.1
Department of Veterans Affairs	216.6	223.9	236.2	248.0	237.9	256.1	252.7	277.1	339.1	366.7	367.0
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	.7	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.8
Consumer Product Safety Comm	1.3	1.1	1.2	.3	.4	-	.1	.0	.0	.0	.0
Environmental Protection Agcy	432.6	483.9	495.3	553.5	551.5	464.3	492.2	571.2	552.8	536.8	530.1
Fed Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	3.9	3.5
Federal Trade Commission	1.0	1.3	.9	.7	.6	.5	.7	1.1	1.3	1.2	1.4
General Services Admin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	377.7	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	221.3	216.9
Agcy for International Development[4]	377.7	365.9	382.2	254.3	302.5	223.0	206.4	212.0	203.0	221.3	216.9
Library of Congress	9.0	10.3	10.5	10.0	10.2	10.6	2.4	1.5	2.4	1.9	2.1
Nat'l Aero & Space Admin	7,280.2	7,657.6	8,019.9	8,296.2	9,014.9	8,570.1	9,327.3	9,568.0	9,525.7	9,568.1	9,602.4
Nat'l Archives & Records Admin	.7	.7	.3	.3	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,785.2	1,868.4	1,881.9	2,040.4	2,149.3	2,188.3	2,248.5	2,289.3	2,506.0	2,655.6	3,179.9
Nuclear Regulatory Commission	108.8	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	53.0
Smithsonian Institution	98.0	98.0	102.0	124.2	124.0	127.0	130.0	120.0	90.0	97.0	103.0
Social Security Admin	NA	NA	NA	NA	NA	11.5	13.6	17.4	53.3	40.3	41.6
Tennessee Valley Authority	68.3	97.3	108.6	97.9	93.1	6.1	8.9	2.7	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table

Table C-96a. Federal obligations for research and development, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
United States Arms Control & Disarmament Agency[3]	0.4	2.1	1.5	1.3	1.1	0.7	1.2	1.2	.0	.0	.0
US Information Agency	.1	.0	1.1	.6	.3	.1	.2	3	0.1	0.1	.0
US Internat'l Trade Comm	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	10.1	0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[4] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-97. Federal obligations for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	1,555.7	1,485.7	1,389.8	1,297.5	1,787.3	1,820.8	1,538.8	1,846.0	2,057.1	2,165.1	2,271.7
Departments											
Dept of Agriculture, total	56.9	20.8	21.5	33.9	39.2	40.6	79.4	111.8	135.2	89.2	102.2
Agricultural Research Svc	NA	17.6	21.1	23.4	28.8	29.0	69.2	43.9	55.5	55.2	44.4
Animal & Plant Health Inspection Service	0	.0	0	.0	.0	0	0	.0	.5	.3	6.1
Cooperative State Research, Ed. & Extension Service	NA	.0	.0	10.0	10.0	10.0	9.5	67.6	76.2	32.2	46.9
Forest Service	3.6	3.2	4	.5	.4	1.6	6	.3	2.9	1.6	4.9
Science & Ed Admin, total	53.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	53.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	4.6	1.3	1.0	.7	9.4	4.2	9.3	5.2	11.2	9.1	15.4
Maritime Administration	.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	.3	.5	1.0	.7	9.4	4.2	7.7	2.0	10.7	8.6	8.8
National Oceanic & Atmospheric Administration	3.9	.8	.0	.0	.0	.0	1.5	3.2	.5	.5	6.6
Department of Defense, total	208.2	277.7	290.5	312.5	529.2	530.9	286.1	477.2	435.8	499.3	487.3
Department of the Air Force	108.0	159.6	84.7	138.7	285.4	291.3	130.1	270.3	143.7	250.2	322.2
Department of the Army	13.8	12.8	24.7	26.3	56.2	52.9	53.9	65.8	92.8	45.1	53.1
Department of the Navy	83.2	97.9	155.9	141.7	173.4	182.1	97.6	69.0	74.9	89.6	60.4
Defense Agencies	3.2	7.4	25.2	5.8	14.2	4.6	4.5	72.1	124.4	114.4	51.6
Department of Education	.0	0	.0	.0	.0	1.1	6.6	21.0	5.2	1.9	8.9
Department of Energy	1,024.1	978.2	914.0	757.7	852.4	868.4	742.3	772.2	915.0	873.0	916.0
Department of Health & Human Services, total	30.6	23.7	24.7	47.9	31.1	42.1	37.9	36.7	19.5	78.6	107.8
Alcohol, Drug Abuse, & Mental Health Administration	.0	.2	3.3	1.8	.3	.4	.5	.6	.0	0	.0
Food & Drug Administration	1.2	1.2	2.0	28.5	3.0	13.0	8.0	.8	.5	23.0	23.0
National Insts of Health	29.4	22.3	19.4	17.5	27.8	28.8	29.4	35.3	19.0	55.6	84.8
Dept of the Interior, total	7.5	3.5	1.3	2.4	5.2	4.2	4.3	11.8	9.4	10.8	14.0
Bonneville Power Admin	0	3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Mines	1.0	6	.1	.1	-	.0	.0	0	0	2.6	3.0
Geological Survey	.0	0	.0	1.4	1.0	.8	8	8	8	1.3	1.3
Minerals Management Service	NA	NA	0	.0	.0	.0	.0	.0	.0	0	.2
Office of Surface Mining Reclamation & Enforcement	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Water Rsch & Tech	.7	.8	.9	0	.0	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	5.5	1.8	.3	.9	4.2	3.4	3.5	11.0	8.6	6.9	9.5
Department of Justice, total	0	.0	0	.0	0	.0	.0	11.1	.0	.0	.0
Fed Bureau of Investigation	0	.0	.0	0	.0	.0	.0	11.1	.0	.0	.0
Dept of Transportation, total	23.3	18.9	11.9	21.9	16.9	9.0	12.1	11.2	13.9	15.5	21.8
Coast Guard	0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.4
Federal Aviation Admin	5.7	8.9	5.1	21.4	16.4	8.5	10.9	10.4	13.2	15.5	21.4
Federal Highway Admin	7.2	-	.0	0	.0	.0	.7	.3	0	.0	.0
Federal Railroad Admin	10.2	9.5	6.3	.0	0	.0	.0	.0	.4	.0	.0
National Highway Traffic Safety Administration	.2	5	.5	5	5	.5	.5	.5	.0	.0	.0
Dept of the Treasury, total	-	1	.1	1	1	.1	.1	1	.1	.1	1
US Customs Service	-	1	.1	1	.1	.1	.1	.1	.1	.1	.1
United States Secret Service	0	.0	.0	0	0	.0	1	-	-	-	-
Department of Veterans Affairs	4.4	14.8	2.8	10.5	6.1	3.3	4.8	5.9	19.5	11.0	3.3

See explanatory information, if any, and SOURCE at end of table.

Table C-97. Federal obligations for R&D plant, by agency: fiscal years 1980-1990

[Dollars in millions]

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Agency and subdivision	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Other agencies:											
Consumer Product Safety Comm	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
General Services Admin	.0	0	.0	0	0	.0	18.8	.0	.0	0	18.8
International Development Cooperation Agency, total	6.3	8.0	6.0	4.8	7.8	6.9	7.5	6.8	6.1	.0	.0
Agcy for Internat'l Dvlpmt	6.3	8.0	6.0	4.8	7.8	6.9	7.5	6.8	6.1	0	.0
Nat'l Aero & Space Admin	159.1	115.8	113.7	100.8	244.2	234.3	275.0	309.4	428.2	519.5	527.0
National Science Foundation	18.7	14.6	1.5	3.2	45.2	73.6	53.2	61.3	56.9	53.6	39.3
Nuclear Regulatory Commission	7.7	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	9	4	.5	1.0	2	1.6	7	2.9	.7	3.4	4.8
Tennessee Valley Authority	6	4	.3	.3	2	.5	8	3	.4	2	4.9
United States Arms Control & Disarmament Agency	0	0	.0	0	0	.0	.0	1.0	.0	.0	.0

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies. Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-97a. Federal obligations for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary 2000	Preliminary 2001
Total, all agencies	2,852.8	2,984.6	3,100.7	2,215.4	2,256.1	1,746.1	1,926.7	1,813.3	2,045.7	2,302.4	2,083.2
Departments:											
Dept of Agriculture, total	144.6	164.7	142.4	125.7	143.4	128.4	184.2	89.8	131.1	126.6	113.3
Agricultural Research Svc	64.7	98.1	78.3	78.3	67.7	67.9	118.9	86.3	118.5	111.7	105.3
Animal & Plant Health Inspection Service	.0	0	0	.0	.0	1.5	.0	0	.0	.0	.0
Cooperative State Research, Ed. & Extension Service	61.5	63.0	60.5	42.6	71.3	56.5	63.2	.9	.6	2.9	.0
Forest Service	18.4	3.6	3.6	4.9	4.3	2.5	2.0	2.6	12.0	12.0	8.0
Department of Commerce, total	15.7	21.0	25.4	31.2	77.7	84.5	43.4	21.4	19.6	226.4	35.9
National Institute of Standards & Technology	8.5	11.2	12.6	30.9	77.2	84.5	21.8	21.4	19.6	226.4	35.9
National Oceanic & Atmospheric Administration	7.3	9.9	12.8	.3	.5	.0	21.6	.0	.0	.0	.0
Department of Defense, total	425.7	396.5	371.5	265.7	60.5	46.8	85.5	65.8	107.6	67.8	65.2
Department of the Air Force	152.3	179.7	231.6	99.3	37.8	24.4	39.1	26.2	47.2	22.1	21.4
Department of the Army	91.0	22.0	18.1	2.1	5.5	6.2	4.1	3.9	4.6	-	.0
Department of the Navy	54.0	96.0	45.5	76.1	11.3	8.0	37.0	34.6	35.6	38.3	38.2
Defense Agencies	128.4	98.8	76.3	88.2	5.9	8.3	5.3	1.1	20.2	7.4	5.7
Department of Education	4.2	2.4	2.2	1.8	1.8	.0	.0	.0	.0	.0	.0
Department of Energy	1,220.1	1,320.8	1,461.5	911.8	745.1	705.9	729.3	727.1	866.2	820.1	863.5
Department of Health & Human Services, total	86.3	96.7	149.3	120.2	255.7	133.1	260.1	286.3	252.8	362.4	228.0
Food & Drug Administration	18.4	14.3	19.7	8.4	5.3	5.5	14.5	28.1	2.6	3.0	3.0
Hlth Resources & Svcs Admin	.0	.3	1.4	1.4	1.6	.7	.7	.9	.6	.6	.6
National Insts of Health	67.8	82.1	128.2	110.5	248.8	126.9	244.9	257.3	249.6	358.8	224.4
Social Security Admin	-	.0	.0	.0	.0	NA	NA	NA	NA	NA	NA
Dept of the Interior, total	22.2	18.4	23.1	9.0	6.7	1.9	7.2	1.5	1.4	1.1	1.1
Bureau of Mines	2.1	.0	0	.0	.0	NA	NA	NA	NA	NA	NA
Geological Survey	3.3	4.3	3.8	6.4	5.4	1.2	5.0	.0	.0	.0	.0
Minerals Management Service	.3	1.0	1.1	1.2	1.0	.8	2.2	1.5	1.4	1.1	1.1
Nat'l Biological Svc	NA	NA	.0	1.4	.3	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	16.6	13.1	18.3	.0	.0	.0	.0	.0	.0	.0	.0
Dept of Transportation, total	18.4	25.3	32.3	40.9	28.8	31.8	19.0	17.6	14.6	14.4	15.6
Coast Guard	.4	.4	.5	.5	.5	.5	.3	.3	.3	.3	.3
Federal Aviation Admin	16.3	24.0	22.4	33.0	21.7	20.6	17.2	14.3	14.3	12.8	14.0
Federal Highway Admin	.0	.8	.9	6.3	3.0	7.3	.9	2.0	.0	.0	.0
Federal Railroad Admin	1.7	.1	1.6	1.1	3.5	3.4	.6	1.1	-	1.3	1.4
Federal Transit Admin	.0	0	7.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	.1	.1	.2	.2	.2	.2	.1	.1	.1	.1	.0
US Customs Service	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0
United States Secret Service	-	-	-	-	-	-	.0	.0	.0	.0	.0
Department of Veterans Affairs	3.4	5.7	3.4	11.7	7.2	3.8	31.3	.4	.3	.4	.4

See explanatory information, if any, and SOURCE at end of table.

Table C-97a. Federal obligations for R&D plant, by agency: fiscal years 1991-2001

[Dollars in millions]

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Agency and subdivision	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Other agencies:											
Environmental Protection Agcy	.0	.0	2.5	4.8	4.8	.0	25.0	66.0	116.0	110.0	142.0
General Services Admin	22.6	6.5	1.0	.3	5.1	.1	-	.0	.0	.0	-
Nat'l Aero & Space Admin	723.6	817.8	749.4	515.3	624.8	417.4	333.8	350.0	359.5	361.5	363.5
National Science Foundation	159.6	101.6	130.4	171.9	289.6	187.2	203.8	184.3	173.5	207.6	250.8
Smithsonian Institution	1.5	3.8	5.0	5.0	5.0	5.0	4.0	3.0	3.0	4.0	4.0
Tennessee Valley Authority	4.8	3.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-98. Federal obligations for research, by agency: fiscal years 1980-1990

[Dollars in millions]

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Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4
Departments:											
Dept of Agriculture, total	657.4	741.0	766.5	817.6	834.9	910.9	896.4	918.9	985.2	1,002.2	1,061.3
Agricultural Cooperative Svc	1.6	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7
Agricultural Marketing Svc	1.0	.9	1.0	1.1	1.2	1.3	1.3	1.2	1.3	1.3	2.2
Agricultural Research Svc	NA	367.9	379.1	417.9	424.3	442.0	436.0	454.6	479.4	492.1	512.3
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	.0
Cooperative State Research, Ed. & Extension Service	NA	199.4	219.0	232.3	235.7	284.3	269.0	270.7	298.4	307.3	324.2
Economic Research Service	NA	39.3	39.3	38.8	43.7	46.4	44.6	44.8	48.1	49.5	50.5
Economics & Statistics Svc	31.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	106.1	119.9	107.7	103.9	105.1	109.8	109.7	122.9	131.5	127.5	153.8
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.0	.8	.6	.7	.6	.8	.2
Human Nutrition Info Svc	NA	.0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0
Nat'l Agri Statistics Svc	NA	7.5	7.0	7.6	8.2	8.4	8.0	3.4	3.6	2.9	2.8
Office of International Cooperation & Development	4.9	3.6	2.4	4.8	7.5	7.3	6.6	5.3	4.8	2.3	3.4
Office of Transportation	.0	.8	.8	.8	.9	1.1	.9	.9	.9	NA	NA
Science & Ed Admin, total	512.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	328.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	184.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	254.4	249.4	276.1	284.8	296.7	324.2	339.5	338.6	342.3	351.0	377.0
Bureau of the Census	1.9	3.0	1.9	2.2	2.4	2.5	2.6	2.8	3.8	3.0	4.9
Economic Development Admin	2.5	1.8	1.6	5.3	5.1	2.0	2.3	5.0	4.2	1.0	1.2
Maritime Administration	12.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	58.9	66.2	73.9	81.5	83.7	86.5	89.1	89.4	98.9	105.6	111.8
National Oceanic & Atmospheric Administration	168.8	168.5	188.5	188.9	197.7	224.4	237.5	234.4	228.2	234.6	252.4
National Telecommunications & Information Administration	9.6	9.9	10.1	6.9	7.7	7.9	7.6	7.0	7.3	6.9	6.8
Office of the Secretary	.5	.0	-	-	-	.9	.3	-	.0	.0	.0
Department of Defense, total	2,261.8	2,600.9	2,952.8	3,222.6	3,048.5	3,168.3	3,227.3	3,347.6	3,239.1	3,656.1	3,529.2
Department of the Air Force	537.3	617.3	633.9	688.4	740.1	736.7	759.0	784.8	773.1	807.4	776.3
Department of the Army	479.3	536.5	639.2	693.6	708.8	823.4	827.3	909.9	753.7	823.4	780.2
Department of the Navy	611.1	698.0	778.7	827.0	765.4	791.3	784.3	786.7	747.8	783.2	807.6
Defense Agencies	634.1	749.1	901.0	1,013.6	834.3	816.9	856.7	866.1	964.5	1,242.1	1,165.1
Department of Education	87.6	53.8	70.5	76.1	80.9	91.9	95.8	106.9	111.0	122.0	130.3
Department of Energy	1,277.3	1,413.6	1,696.1	1,961.1	2,024.9	2,141.0	2,040.3	2,097.9	2,235.4	2,431.7	2,570.5

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for research, by agency: fiscal years 1980-1990

[Dollars in millions]

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Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	3,332.8	3,492.2	3,605.6	4,020.8	4,466.0	5,028.3	5,189.6	6,021.9	6,497.0	7,088.4	7,467.1
Agency for Healthcare Research and Quality[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.2
Alcohol, Drug Abuse, & Mental Health Administration	233.5	237.7	246.1	300.4	336.0	376.4	394.9	473.3	552.4	692.6	801.2
Centers for Disease Control & Prevention	87.3	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6
Food & Drug Administration	75.4	71.4	73.0	74.2	77.8	82.1	79.4	85.0	91.0	99.0	99.0
Health Care Financing Admin	45.7	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1
Health Resources Admin	5.1	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	6.7	11.0	16.2	18.2	12.3	9.3	10.0	10.5	11.9
Health Services Admin	8.0	10.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	19.1	39.9	8.7	6.9	4.5	5.8	6.8	9.4	7.1	8.5	7.7
National Insts of Health	2,787.5	2,948.3	3,124.5	3,478.2	3,910.4	4,428.1	4,587.6	5,314.7	5,680.7	6,061.8	6,335.8
Office of the Assistant Secretary for Health	25.7	28.8	13.9	16.6	18.1	16.9	15.8	18.9	19.4	25.6	5.8
Office of the Secretary	24.0	19.5	13.1	14.4	10.0	9.4	6.1	8.2	4.7	7.8	5.0
Social Security Admin	21.4	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	11.8
Dept of Housing & Urban Dvlpmt	19.6	16.7	10.3	11.3	6.3	6.5	5.3	5.5	6.3	6.1	6.6
Dept of the Interior, total	354.4	369.8	351.5	357.7	380.2	369.3	367.9	382.1	392.5	441.9	475.2
Bonneville Power Admin	.0	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.3	1.5	2.4	2.0	1.8	2.8	2.1	2.1	2.2	2.0	2.1
Bureau of Mines	82.8	68.0	81.1	79.4	97.2	86.5	81.6	85.2	86.2	93.2	89.9
Bureau of Reclamation	12.9	13.4	9.0	8.8	9.0	11.2	9.7	10.2	3.7	3.5	5.3
Geological Survey	145.8	169.3	152.1	154.7	204.0	210.5	211.2	216.5	225.3	266.9	293.2
Minerals Management Service	NA	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	1.9
National Park Service	8.2	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1
Office of the Secretary	2.2	1.5	.5	7.4	.1	1.9	1.0	.0	.1	.0	.0
Office of Surface Mining Reclamation & Enforcement	7.5	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	7
Office of Water Rsch & Tech	18.4	15.8	10.1	1.2	3.6	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	75.2	77.8	83.6	87.5	48.3	37.9	41.7	47.6	53.5	53.9	62.0
Department of Justice, total	28.8	19.5	16.3	20.7	17.9	19.3	22.3	19.8	17.4	17.5	19.9
Bureau of Prisons	.9	1.7	.9	1.3	1.2	1.1	2.7	2.2	2.1	2.1	1.8
Drug Enforcement Admin	.8	4	1.3	.9	.7	.5	.8	.7	.6	.5	.4
Immigration & Naturalization Service	.2	1	3	.3	3	.2	2	2	3	1	4
Office of Justice Programs	25.6	16.7	13.4	18.0	15.7	17.2	18.5	16.7	14.4	14.8	17.3
Office of Legal Policy	1.3	7	4	.2	.0	.3	2	.1	.0	.0	.0
Department of Labor, total	36.4	58.2	17.2	17.9	16.3	12.4	9.5	20.4	26.7	22.2	21.6
Bureau of Labor Statistics	.9	.3	.3	7	.5	6	6	6.5	7.0	7.0	7.3
Employment Standards Admin	4.9	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1
Employment & Training Admin	20.1	48.8	8.7	7.9	6.1	3.5	3.5	5.4	6.8	6.1	6.0
Labor-Management Relations & Cooperative Programs	NA	NA	NA	NA	.3	.3	.2	3	4	.3	NA
Labor-Management Services Administration	2.8	1.8	7	9	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	6.3	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5
Office of the Secretary	1.4	1.1	9	1.5	1.9	1.7	1.3	1.8	5.2	2.5	3.3
Pension Benefit Guaranty Corp	NA	1	3	.3	3	2	.1	.3	.3	.3	.3
Pension & Welfare Benefits Administration	NA	NA	NA	NA	1.2	1.6	3	1.0	2.7	1.4	2.1
Department of State, total	2.0	1.6	1.5	1.5	1.6	1.5	1.5	3.0	4.2	4.7	4.7
Departmental Funds	2.0	1.6	.0	.0	.0	.0	.0	0	.0	.0	0

See explanatory information, if any, and SOURCE at end of table

Table C-98. Federal obligations for research, by agency: fiscal years 1980-1990

[Dollars in millions]

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Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	82.4	88.6	66.7	72.6	77.7	71.2	68.2	68.8	91.2	120.5	119.2
Coast Guard	8.1	15.0	1.7	1.2	7.2	5.4	3.5	3.7	5.4	4.6	5.1
Federal Aviation Admin	8.2	8.2	7.0	12.5	15.0	17.3	14.0	11.1	13.3	23.6	26.1
Federal Highway Admin	4.6	5.1	5.3	7.3	6.1	6.3	14.7	20.7	43.7	56.6	57.6
Federal Railroad Admin	7.9	6.2	3.1	2.8	12.3	11.4	12.5	10.4	8.2	7.5	8.5
Federal Transit Admin	8.9	9.3	19.4	18.3	1.0	.5	.0	.0	.0	.0	.0
Maritime Administration	NA	9.5	6.6	6.2	8.6	8.0	6.8	3.3	.5	.0	.9
National Highway Traffic Safety Administration	38.6	29.4	21.3	21.4	24.7	20.9	16.1	18.9	19.1	26.2	16.9
Office of the Secretary	.6	.7	.3	.3	.9	.9	.4	.4	.7	1.3	1.7
Research & Special Programs Administration	5.5	5.2	2.1	2.6	1.8	.5	.3	.2	.4	.7	2.4
Dept of the Treasury, total	5.7	5.2	8.1	10.2	10.6	18.3	17.7	17.4	15.9	16.3	18.7
Bureau of Alcohol, Tobacco, & Firearms	.3	.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.3	.9	2.8	2.0	2.2	3.4	3.1	2.8	1.2	1.4	1.4
Internal Revenue Service	3.9	4.2	5.3	7.9	8.1	14.7	14.0	14.1	13.7	14.1	16.5
US Customs Service	.1	.1	-	.0	.1	.1	.2	.2	.7	.4	.4
United States Secret Service	.0	.0	.0	.3	.1	.2	.4	.2	.4	.4	.5
Department of Veterans Affairs	117.9	127.7	123.0	146.1	171.9	209.1	169.9	190.3	196.1	213.7	215.6
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.2	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5
Appalachian Regional Comm	.6	.3	.3	.2	.4	.2	.2	.1	.2	.8	.4
Community Services Admin	1.3	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	1.6	.2	.1	.3	1.1	1.4	1.1	.6	.1	.5	.4
Environmental Protection Agcy	245.1	218.3	243.4	174.6	172.0	214.6	217.8	277.2	267.9	273.3	315.2
Fed Communications Commission	3.4	1.8	1.2	1.3	.9	1.2	.9	1.0	1.2	1.1	1.3
Federal Emergency Management Agency, total	9.3	9.1	9.2	3.3	6.1	2.9	.0	.0	.0	.0	.0
Federal Trade Commission	3.0	1.1	1.2	1.4	1.6	1.7	1.8	.5	.4	.4	.5
General Services Admin	.1	.4	.5	.2	.4	.4	.9	1.6	2.3	.5	.7
International Development Cooperation Agency, total	79.7	86.4	127.9	156.7	167.0	159.8	184.9	154.0	135.1	219.1	305.2
Agcy for Internat'l Dvlpmt	79.7	86.4	127.9	156.7	167.0	159.8	184.9	154.0	135.1	219.1	305.2
Interstate Commerce Commission	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	.6	.9	.9	1.3	2.1	2.1	1.6	1.5	1.6	1.6	1.5
Nat'l Aero & Space Admin	1,609.6	1,407.2	1,407.1	1,544.8	1,709.2	1,783.6	2,069.0	2,269.2	2,331.6	2,878.8	3,060.7
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.2	.0	.7	.5	.2	.3
National Science Foundation	873.7	955.5	973.2	1,062.0	1,202.8	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5
Nuclear Regulatory Commission	182.7	219.7	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8
Office of Personnel Management	2.6	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	1.2	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1
Smithsonian Institution	41.0	44.9	52.4	56.0	63.6	71.1	63.3	71.5	75.1	80.2	84.0
Tennessee Valley Authority	15.8	14.2	12.7	12.3	14.3	14.4	17.8	17.7	18.5	14.6	21.7
United States Arms Control & Disarmament Agency	3.0	1.6	1.3	.8	1.2	1.1	.9	.4	.8	1.2	.2
US Information Agency	.1	1.1	.0	-	1.4	.1	1.6	.0	.1	.0	.5
US Internat'l Trade Comm	2.1	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:

- = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-98a. Federal obligations for research, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 3

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	23,968.4	24,490.6	26,890.5	27,411.2	28,434.4	28,259.8	29,365.3	30,922.3	33,527.5	36,329.5	38,688.1
Departments:											
Dept of Agriculture, total	1,175.5	1,261.0	1,251.7	1,322.5	1,298.8	1,220.0	1,290.1	1,333.9	1,488.1	1,621.4	1,638.0
Agricultural Cooperative Svc	2.8	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	3.7	4.1	4.1	4.2	4.2	4.2	4.2	4.0	4.0	4.3	4.6
Agricultural Research Svc	550.8	583.2	574.3	624.4	628.6	621.2	625.7	689.7	778.1	820.4	881.5
Cooperative State Research, Ed, & Extension Service	376.8	418.2	418.6	429.0	417.7	362.4	433.5	386.4	462.5	546.5	483.0
Economic Research Service	54.4	58.9	58.9	55.2	53.8	53.0	53.0	71.5	62.5	65.4	55.4
Food Safety Inspection Svc	.0	.0	.0	.0	.0	.0	.0	.1	.3	.1	.1
Foreign Agricultural Svc	.0	.0	.0	1.1	.9	1.3	1.4	1.4	1.4	1.4	1.4
Forest Service	170.2	175.8	177.2	189.8	187.7	172.3	165.9	172.3	169.4	172.9	196.9
Grain Inspection Packers & Stockyards Administration	.7	1.5	1.8	1.8	.3	.5	.6	.5	2.7	3.4	5.6
Human Nutrition Info Svc	9.9	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	3.2	3.6	3.9	3.9	4.0	3.8	3.4	3.3	3.6	3.9	3.9
Office of International Cooperation & Development	3.0	1.5	1.5	.0	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.3	5.6
Department of Commerce, total	449.7	595.9	582.1	718.3	892.3	850.6	808.1	807.0	848.0	897.8	942.3
Bureau of the Census	4.8	3.4	3.3	2.8	2.9	2.5	3.4	5.2	5.9	4.3	.1
Economic Development Admin	1.4	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	124.3	149.4	172.9	207.3	372.1	354.8	331.5	305.4	309.0	319.2	364.7
National Oceanic & Atmospheric Administration	315.6	438.7	401.7	502.7	510.4	480.8	468.8	492.1	528.8	569.9	568.1
National Telecommunications & Information Administration	3.6	4.0	4.2	4.8	6.4	11.9	3.8	3.8	3.8	3.8	8.9
Office of the Secretary	.0	.0	.0	.0	-	-	.0	0	0	.0	.0
Department of Defense, total	3,717.9	4,073.4	4,783.5	4,240.6	4,198.4	3,995.5	3,809.8	3,969.9	4,142.3	4,499.3	4,410.3
Department of the Air Force	830.4	790.5	887.8	814.3	834.5	882.3	816.6	736.9	764.8	760.4	797.8
Department of the Army	860.5	932.7	1,018.6	852.6	852.1	670.4	710.0	817.8	848.4	1,029.0	843.3
Department of the Navy	874.0	892.8	996.1	847.1	880.0	893.5	885.7	822.2	873.2	987.2	928.9
Defense Agencies	1,153.0	1,457.3	1,881.0	1,726.6	1,632.0	1,549.3	1,397.5	1,593.0	1,655.9	1,722.7	1,840.3
Department of Education	131.7	127.0	133.6	136.8	138.4	135.5	138.1	148.7	148.6	158.4	187.3
Department of Energy	3,273.6	3,412.5	3,440.2	3,282.5	3,459.9	3,362.2	3,567.7	3,787.5	3,919.8	4,140.7	4,523.6
Department of Health & Human Services, total	8,162.5	7,945.5	9,192.6	9,736.4	10,076.0	10,545.9	11,228.1	12,018.5	13,714.6	15,619.6	16,548.4
Administration on Aging	2.9	2.5	2.7	3.5	3.0	.2	.2	2.4	2.4	5.0	5.0
Administration for Children & Families	13.5	34.3	18.5	10.4	11.2	12.6	17.4	23.5	24.9	30.5	31.9
Agency for Healthcare Research and Quality [1]	93.0	97.8	105.6	142.0	124.0	116.0	134.1	138.8	171.3	186.9	235.0
Alcohol, Drug Abuse, & Mental Health Administration	923.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	113.4	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	477.1	518.0
Food & Drug Administration	125.0	135.7	154.5	169.4	170.5	170.8	158.6	142.9	130.8	140.2	160.9
Health Care Financing Admin	69.1	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.8	55.0
Hlth Resources & Svcs Admin	11.0	10.1	9.6	10.6	12.2	11.1	13.1	12.9	12.8	13.0	13.1
National Insts of Health	6,783.0	7,398.7	8,638.5	9,079.7	9,333.6	9,876.9	10,519.7	11,289.2	12,875.5	14,688.4	15,512.6
Office of the Assistant Secretary for Health	9.6	6.0	.0	.0	.0	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	8.8	5.0	8.0	11.7	9.1	9.0	18.4	13.9	13.9	16.7	17.0
Office of the Assistant Sec. Planning & Eval	NA	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0
Social Security Admin	10.2	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for research, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 2 of 3

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Housing & Urban Dvlpmt	9.4	8.8	8.1	13.7	14.2	11.2	11.3	9.2	19.1	20.7	22.6
Dept of the Interior, total	553.4	570.6	580.1	650.2	532.4	542.1	552.7	502.9	610.0	539.8	582.6
Bureau of Land Management	5.9	5.9	8.0	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	99.0	102.9	105.0	95.4	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	7.8	10.7	7.4	5.5	6.0	4.9	5.4	6.6	7.7	6.4	6.6
Geological Survey	338.4	344.5	343.9	355.4	347.9	495.1	500.7	437.2	550.2	477.9	519.2
Minerals Management Service	2.7	3.8	5.8	20.6	20.0	21.9	20.6	29.3	28.8	28.9	28.7
Nat'l Biological Svc	NA	NA	0	149.0	138.8	NA	NA	NA	NA	NA	NA
National Park Service	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	23.4	26.7	28.0
Office of the Secretary	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	1.0	.3	.5	.0	.0	.0	0	.0	.0	.0	.0
US Fish & Wildlife Service	71.0	71.2	71.2	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	21.1	20.3	25.6	25.9	25.8	32.0	32.5	42.0	54.0	47.0	36.5
Bureau of Prisons	1.9	2.5	2.5	2.1	3.2	3.1	1.9	4.3	7.4	2.9	3.0
Drug Enforcement Admin	.9	.1	-	.1	.0	-	-	.0	0	.0	.0
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.2	.4	.0	0	.0	.0
Office of Justice Programs	17.9	17.3	22.7	23.3	22.2	28.7	30.2	37.7	46.6	44.1	33.5
Department of Labor, total	24.3	23.8	19.0	19.6	29.9	26.7	21.7	22.1	27.7	30.2	32.8
Bureau of Labor Statistics	7.5	7.6	6.9	7.1	14.8	13.3	12.6	12.4	12.4	12.3	12.3
Employment & Training Admin	6.6	5.6	3.5	3.1	4.2	2.6	1.5	2.2	8.8	9.3	11.7
Occupational Safety & Health Administration	2.6	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	4.4	5.0
Office of the Secretary	4.7	4.1	2.9	3.1	2.9	1.8	.1	.1	.2	.8	.0
Pension Benefit Guaranty Corp	.4	.8	.7	.3	.1	.1	.1	.1	.1	.1	.1
Pension & Welfare Benefits Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	3.4	3.8
Department of State[2]	5.9	5.6	5.3	.4	.5	.9	1.0	.9	1.5	1.5	1.5
Dept of Transportation, total	114.6	156.9	226.1	273.4	370.7	375.2	381.2	401.0	476.7	512.2	652.8
Coast Guard	6.4	5.0	8.2	5.6	4.9	5.0	5.7	5.1	5.1	5.3	5.1
Federal Aviation Admin	24.0	30.1	59.8	79.5	83.3	130.6	159.4	151.6	142.3	156.5	184.4
Federal Highway Admin	46.1	73.2	91.7	134.2	203.1	173.9	149.2	169.6	247.8	264.1	327.8
Federal Railroad Admin	13.2	18.9	20.9	16.1	22.5	21.3	18.2	21.2	20.3	26.7	24.7
Federal Transit Admin	.0	0	10.9	7.8	10.9	5.6	6.0	7.4	4.8	3.7	3.8
Maritime Administration	1.7	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	21.4	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	95.3
Office of the Secretary	.6	.7	.6	.6	.6	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	1.4	1.4	.5	2.6	3.2	5.6	6.3	4.6	6.0	5.4	11.8
Dept of the Treasury, total	24.1	20.8	11.1	9.2	48.9	50.5	50.9	52.6	50.7	49.9	59.8
Bureau of Engraving & Printing	2.7	1.8	3.2	1.6	1.3	1.6	1.6	2.7	2.0	2.6	2.6
Internal Revenue Service	17.5	17.5	6.5	6.1	45.8	47.5	47.9	47.9	48.0	46.2	56.0
Off of Thrift Supervision	3.0	.8	.7	.5	.6	.5	.6	.7	.1	.2	.2
US Customs Service	.5	.2	.1	.5	.7	.5	.4	.8	0	0	.0
United States Secret Service	.4	.5	.6	.5	.5	.5	.4	.5	.5	1.0	1.1
Department of Veterans Affairs	193.8	200.9	207.4	223.5	218.8	235.3	231.0	269.1	332.3	359.3	359.6

See explanatory information, if any, and SOURCE at end of table

Table C-98a. Federal obligations for research, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 3 of 3

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Other agencies											
Advisory Commission on Intergovernmental Relations	1.7	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	.7	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.8
Consumer Product Safety Comm	.9	.8	.8	.1	.0	.0	.1	.0	.0	.0	.0
Environmental Protection Agcy	353.1	404.3	361.5	402.3	401.6	380.8	409.1	477.2	457.0	445.3	439.4
Fed Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	3.9	3.5
Federal Trade Commission	1.0	1.3	.9	.7	.6	.5	.7	1.1	1.3	1.2	1.4
International Development Cooperation Agency, total	357.4	300.1	359.2	216.2	272.7	205.0	176.7	172.9	163.8	173.2	165.8
Agcy for International Development[3]	357.4	300.1	359.2	216.2	272.7	205.0	176.7	172.9	163.8	173.2	165.8
Library of Congress	1.7	1.8	1.8	1.9	2.1	2.2	.5	.5	.5	.5	.6
Nat'l Aero & Space Admin	2,371.2	3,229.3	3,548.7	3,840.6	4,046.1	3,878.0	4,184.9	4,413.7	4,357.9	4,350.5	4,700.9
Nat'l Archives & Records Admin	.6	.6	.3	.3	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	1,785.2	1,868.4	1,881.9	2,040.4	2,149.3	2,188.3	2,248.5	2,289.3	2,506.0	2,655.6	3,179.9
Nuclear Regulatory Commission	108.8	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	53.0
Smithsonian Institution	98.0	98.0	102.0	124.2	124.0	127.0	130.0	120.0	90.0	97.0	103.0
Social Security Admin	NA	NA	NA	NA	NA	11.5	13.6	17.4	53.3	40.3	41.6
Tennessee Valley Authority	18.8	24.4	27.9	25.9	26.4	4.2	4.0	.8	.0	.0	.0
United States Arms Control & Disarmament Agency[2]	.4	2.1	1.5	1.3	1.1	.7	1.2	1.2	.0	.0	.0
US Information Agency	.1	.0	1.1	.6	.3	.1	.2	.3	.1	.1	.0
US Internat'l Trade Comm	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-99. Federal obligations for basic research, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 1 of 2

Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6
Departments:											
Dept of Agriculture, total	275.7	314.1	330.8	362.0	392.6	445.4	432.9	445.5	480.6	484.9	519.2
Agricultural Marketing Svc	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
Agricultural Research Svc	NA	186.4	192.9	215.3	240.6	250.2	247.7	253.4	271.1	282.7	294.0
Cooperative State Research, Ed, & Extension Service	NA	83.9	91.3	98.8	99.6	141.5	131.7	132.8	145.8	142.6	153.7
Economic Research Service	NA	3.6	3.9	3.9	4.4	4.6	4.5	6.3	6.7	6.9	7.1
Economics & Statistics Svc	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	33.7	38.1	38.7	38.8	41.2	44.1	42.2	49.4	51.6	50.0	60.3
Nat'l Agn Statistics Svc	NA	.0	2.3	2.5	2.7	2.8	2.6	1.1	1.2	1.0	.9
Office of International Cooperation & Development	2.3	1.7	1.1	2.3	3.6	1.5	3.7	1.9	3.6	1.7	2.6
Office of Transportation	.0	.5	.5	.5	.6	.6	.5	.5	.5	NA	NA
Science & Ed Admin, total	233.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	157.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	75.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	15.9	16.2	16.9	19.2	20.6	23.2	26.5	25.8	30.9	29.1	31.4
Bureau of the Census	.5	.4	.3	.3	.4	.4	.5	.7	1.3	1.2	2.8
Economic Development Admin	.3	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0
Maritime Administration	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	12.8	15.6	16.5	18.4	20.2	22.1	25.7	25.1	26.3	27.9	28.6
National Oceanic & Atmospheric Administration	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0
Office of the Secretary	.3	.0	-	-	.0	.8	.3	.0	.0	.0	.0
Department of Defense, total	540.3	604.3	686.7	785.6	847.9	861.4	923.9	907.6	876.9	947.9	947.6
Department of the Air Force	108.2	125.8	145.8	164.2	192.4	198.3	216.5	221.6	196.4	202.8	197.0
Department of the Army	132.2	148.1	187.7	208.3	222.1	240.8	248.5	217.0	165.7	187.2	185.1
Department of the Navy	214.9	238.0	280.3	305.4	315.8	343.1	337.3	354.3	341.8	354.0	365.0
Defense Agencies	85.1	92.4	72.9	107.7	117.6	79.2	121.7	114.8	173.0	203.9	200.5
Department of Education	17.6	20.6	14.2	14.2	12.2	14.6	4.5	3.1	4.4	4.4	4.9
Department of Energy	523.1	586.3	642.2	767.7	830.4	942.6	959.7	1,068.5	1,184.8	1,410.9	1,504.8
Department of Health & Human Services, total	1,762.7	1,900.4	2,144.7	2,475.4	2,814.5	3,232.5	3,338.8	3,827.9	4,081.4	4,388.0	4,649.0
Alcohol, Drug Abuse, & Mental Health Administration	104.7	116.3	117.3	145.0	170.8	196.8	203.4	232.2	265.8	308.0	386.2
Hlth Resources & Svcs Admin	NA	NA	.6	.8	.8	.9	1.0	1.3	1.1	1.2	1.2
Health Services Admin	2.0	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
National Insts of Health	1,642.3	1,766.8	2,020.7	2,313.0	2,624.8	3,018.0	3,118.6	3,575.5	3,795.1	4,053.3	4,261.7
Office of the Assistant Secretary for Health	11.6	12.4	5.7	16.6	18.1	16.9	15.8	18.9	19.4	25.6	.0
Office of the Secretary	2.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Interior, total	71.6	80.7	76.5	103.0	125.9	138.3	133.0	134.9	126.5	188.9	205.4
Bonneville Power Admin	.0	.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Mines	11.5	13.6	15.9	23.5	40.5	49.9	44.9	45.6	32.1	43.9	40.6
Bureau of Reclamation	.2	.1	.1	.1	.1	.3	.1	.1	.1	-	.1
Geological Survey	47.3	53.5	52.6	64.7	78.9	80.5	83.4	84.9	89.5	140.2	159.1
Office of the Secretary	2.2	1.5	.5	7.4	.1	1.9	1.0	.0	.0	.0	.0
Office of Water Rsch & Tech	6.6	7.6	3.3	.5	.4	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	3.8	3.9	4.1	6.9	5.9	5.7	3.6	4.3	4.8	4.8	5.6
Department of Justice, total	9.5	4.6	3.1	3.6	4.7	4.2	5.3	8.1	7.6	6.8	8.8
Office of Justice Programs	9.5	4.6	3.1	3.6	4.7	4.2	5.3	8.1	7.6	6.8	8.8

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for basic research, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 2 of 2

Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Labor, total	3.9	3.7	6.5	5.3	5.0	3.3	0.9	1.4	0.4	0.3	0.3
Employment & Training Admin	3.9	3.7	6.5	5.3	5.0	3.3	.9	1.4	.4	.3	.3
Department of State, total	0	0	.0	0	.0	.0	0	2.6	3.1	3.4	3.5
Dept of Transportation, total	.0	1.2	1.0	.9	3.5	1.1	.6	.2	.0	.0	.0
Coast Guard	0	.3	.0	.4	.0	.0	0	.0	.0	.0	.0
Maritime Administration	NA	.7	1.0	.5	3.5	1.1	.6	.2	.0	.0	.0
Research & Special Programs Administration	.0	.3	.0	.0	.0	.0	.0	.0	0	.0	.0
Dept of the Treasury, total	1.7	2.3	2.2	3.5	4.0	4.8	5.1	4.7	4.8	3.4	3.4
Bureau of Engraving & Printing	.0	.0	.0	.6	.8	.3	.4	.1	.1	.5	.0
Internal Revenue Service	1.7	2.3	2.2	2.9	3.2	4.4	4.5	4.4	4.7	2.9	3.4
United States Secret Service	.0	.0	.0	0	.0	.0	.2	.2	.1	.0	.0
Department of Veterans Affairs	14.3	15.0	12.9	14.1	15.8	15.4	14.8	17.2	17.3	16.6	16.2
Other agencies:											
Consumer Product Safety Comm	.0	.1	.0	0	.0	.0	.0	0	.0	.0	.0
Environmental Protection Agcy	13.6	10.5	32.7	22.2	29.6	38.6	38.5	31.1	27.2	50.7	73.6
Federal Emergency Management Agency, total	2.6	2.6	1.4	.0	.0	0	.0	0	.0	.0	.0
Federal Trade Commission	1.5	.9	1.0	1.2	1.3	1.5	1.6	.0	.0	.0	.0
General Services Admin	.0	.0	.0	0	.1	.1	.0	.0	.0	.0	.0
International Development Cooperation Agency, total	.0	0	.0	4.1	3.0	1.7	4.3	2.8	3.0	3.1	5.0
Agcy for Internat'l Dvlpmt	.0	.0	0	4.1	3.0	1.7	4.3	2.8	3.0	3.1	5.0
Library of Congress	.1	.2	.1	.3	.6	.6	.4	.4	.4	.4	.3
Nat'l Aero & Space Admin	559.1	531.1	535.7	617.0	754.5	750.9	916.7	1,013.7	1,112.7	1,417.4	1,636.9
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.1	.0	.5	.2	.1	.2
National Science Foundation	815.2	896.6	916.1	999.1	1,132.3	1,261.8	1,275.2	1,371.2	1,433.2	1,562.6	1,586.3
Smithsonian Institution	41.0	44.9	52.4	56.0	63.6	71.1	63.3	71.5	75.1	80.2	84.0
Tennessee Valley Authority	4.6	4.8	4.6	5.6	5.1	5.5	7.3	3.9	3.2	2.9	4.7
US Information Agency	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies. Survey of Federal Funds for Research and Development. Fiscal Years 1999, 2000, and 2001

Table C-99a. Federal obligations for basic research, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 2

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	12,170.8	12,489.9	13,399.1	13,523.5	13,877.0	14,464.0	14,941.9	15,613.0	17,443.7	18,981.7	20,271.4
Departments:											
Dept of Agriculture, total	557.6	595.2	615.9	606.3	595.0	550.0	590.1	603.8	743.3	805.5	828.4
Agricultural Research Svc	309.7	326.1	341.0	366.5	369.0	364.6	364.4	401.7	461.7	486.8	523.1
Cooperative State Research, Ed. & Extension Service	170.4	189.6	192.5	194.7	186.0	148.7	189.9	163.5	189.6	224.0	198.0
Economic Research Service	7.6	8.2	10.6	9.9	5.4	5.3	5.3	7.2	6.2	6.5	5.5
Food Safety Inspection Svc	.0	.0	0	.0	.0	.0	.0	.1	.1	.1	.1
Foreign Agricultural Svc	.0	.0	.0	.7	.5	.9	.9	.9	.9	.9	.9
Forest Service	66.6	68.9	69.4	33.3	32.9	29.3	28.4	29.3	80.8	82.4	93.9
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.4	5.6
Nat'l Agri Statistics Svc	1.1	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.2	1.3	1.3
Office of International Cooperation & Development	2.2	1.2	1.2	.0	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	34.3	34.5	37.2	40.1	39.3	37.5	39.2	39.6	49.1	50.1	65.0
Bureau of the Census	2.4	.9	.4	.3	.3	.9	1.1	.6	2.0	1.8	-
National Institute of Standards & Technology	31.9	33.6	36.5	39.8	38.9	36.7	38.2	38.6	42.0	43.1	59.8
National Oceanic & Atmospheric Administration	.0	.0	.3	.0	.0	.0	.0	.4	5.1	5.2	5.2
Department of Defense, total	994.2	1,098.9	1,268.2	1,200.7	1,248.3	1,137.9	1,022.9	1,030.8	1,040.2	1,105.5	1,213.5
Department of the Air Force	209.2	205.8	218.7	242.4	206.8	227.9	188.1	185.6	191.4	198.9	206.9
Department of the Army	188.6	204.9	215.7	213.3	218.8	195.1	178.3	182.0	181.1	200.9	204.3
Department of the Navy	388.0	393.8	422.0	400.1	409.4	376.7	347.2	329.0	355.8	355.5	396.1
Defense Agencies	208.3	294.4	411.8	344.9	413.3	338.2	309.2	334.3	311.9	350.2	406.2
Department of Education	8.6	7.5	5.3	5.5	5.5	3.5	3.0	2.1	2.0	2.1	2.2
Department of Energy	1,686.5	1,736.4	1,754.8	1,603.2	1,634.4	1,929.7	1,970.9	2,028.8	2,131.8	2,252.0	2,383.6
Department of Health & Human Services, total	5,050.1	5,058.7	5,696.7	5,884.0	6,061.1	6,504.6	6,851.8	7,355.4	8,632.5	9,833.5	10,398.2
Agency for Healthcare Research and Quality[1]	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
Alcohol, Drug Abuse, & Mental Health Administration	459.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	1.5	1.3	1.1	.8	1.0	1.0	1.1	1.1	1.2	1.2	1.2
National Insts of Health	4,589.5	5,057.4	5,695.6	5,882.4	6,060.0	6,503.6	6,850.7	7,354.3	8,631.3	9,832.3	10,397.1
Dept of the Interior, total	229.3	230.9	230.3	83.2	55.2	56.0	56.4	48.7	59.1	51.8	55.9
Bureau of Land Management	1.1	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	42.8	43.7	44.6	25.4	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Geological Survey	179.1	180.1	178.0	43.5	41.6	55.5	55.9	48.2	58.6	51.3	55.4
Nat'l Biological Svc	NA	NA	.0	13.7	13.0	NA	NA	NA	NA	NA	NA
National Park Service	.0	.0	.6	.7	.5	.5	.5	.5	.5	.5	.5
US Fish & Wildlife Service	6.2	6.4	6.4	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	6.4	5.3	5.0	5.9	8.1	12.6	12.4	16.0	17.8	21.7	19.5
Office of Justice Programs	6.4	5.3	5.0	5.9	8.1	12.6	12.4	16.0	17.8	21.7	19.5
Department of Labor, total	.3	.2	5.6	5.8	13.3	11.5	11.3	11.1	11.1	11.0	11.0
Bureau of Labor Statistics	.0	.0	5.4	5.6	13.3	11.5	11.3	11.1	11.1	11.0	11.0
Employment & Training Admin	.3	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0
Pension Benefit Guaranty Corp	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of State[2]	4.6	4.9	4.8	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for basic research, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 2 of 2

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Transportation, total	0	1.2	1.7	3.0	46.9	38.4	37.5	35.0	60.7	63.7	90.3
Federal Highway Admin	.0	1.2	1.7	3.0	46.9	38.4	37.5	35.0	60.7	63.7	90.3
Office of the Secretary	0	.0	.0	0	.0	.0	0	.0	.0	0	.0
Dept of the Treasury, total	3.6	3.6	6.5	-	-	-	-	-	-	-	-
Bureau of Engraving & Printing	.0	.0	0	-	-	-	-	-	-	-	-
Internal Revenue Service	3.6	3.6	6.5	.0	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	16.1	15.7	13.3	14.4	12.4	12.5	13.6	120.0	148.4	160.5	160.7
Other agencies:											
Environmental Protection Agcy	91.2	110.4	89.1	101.4	70.3	51.7	51.1	57.4	57.0	58.1	57.8
International Development Cooperation Agency, total	5.7	5.8	8.4	1.8	2.3	2.0	1	1.8	.1	.0	.0
Agcy for International Development[3]	5.7	5.8	8.4	1.8	2.3	2.0	1	1.8	1	.0	.0
Library of Congress	4	4	3	4	.5	5	0	.0	0	.0	.0
Nat'l Aero & Space Admin	1,705.6	1,738.2	1,800.1	1,963.9	1,978.2	1,980.9	2,094.8	2,023.8	2,040.9	1,977.8	1,898.3
Nat'l Archives & Records Admin	4	5	2	2	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	1,676.2	1,741.5	1,743.8	1,870.7	1,973.3	2,007.4	2,056.7	2,118.7	2,359.5	2,491.6	2,987.0
Smithsonian Institution	98.0	98.0	102.0	124.2	124.0	127.0	130.0	120.0	90.0	97.0	103.0
Tennessee Valley Authority	1.9	2.1	9.9	8.9	9.0	.3	.0	-	.0	.0	.0

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-100. Federal obligations for applied research, by agency: fiscal years 1980-1990

[Dollars in millions]

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Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8
Departments											
Dept of Agriculture, total	381.8	426.9	435.7	455.5	442.2	465.6	463.5	473.4	504.6	517.3	542.1
Agricultural Cooperative Svc	1.6	1.7	1.7	2.1	2.2	2.9	2.6	2.7	2.7	2.8	2.7
Agricultural Marketing Svc	1.0	.9	1.0	1.1	1.2	1.3	1.3	1.2	1.3	1.3	1.7
Agricultural Research Svc	NA	181.5	186.2	202.6	183.7	191.8	188.3	201.1	208.2	209.4	218.2
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	4.2	4.9	5.6	7.4	.0
Cooperative State Research, Ed. & Extension Service	NA	115.5	127.7	133.5	136.2	142.8	137.4	138.0	152.6	164.7	170.5
Economic Research Service	NA	35.8	35.3	34.9	39.3	41.7	40.1	38.5	41.4	42.6	43.5
Economics & Statistics Svc	24.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Service	72.3	81.8	69.0	65.1	63.9	65.7	67.5	73.5	79.9	77.5	93.5
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.0	.8	.6	.7	.6	.8	.2
Human Nutrition Info Svc	NA	.0	8.5	8.2	6.0	6.7	12.8	6.8	8.2	8.4	9.0
Nat'l Agri Statistics Svc	NA	7.5	4.7	5.1	5.5	5.6	5.4	2.3	2.4	1.9	1.9
Office of International Cooperation & Development	2.6	1.9	1.2	2.5	3.9	5.8	2.9	3.3	1.2	.6	.9
Office of Transportation	.0	.3	.3	.3	.3	.5	.4	.4	.4	NA	NA
Science & Ed Admin, total	279.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	170.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cooperative State Rsch Svc	109.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	238.5	233.2	259.2	265.6	276.1	301.0	312.9	312.8	311.5	321.9	345.6
Bureau of the Census	1.4	2.6	1.6	1.9	2.0	2.1	2.1	2.1	2.4	1.8	2.1
Economic Development Admin	2.2	1.6	1.6	4.8	5.1	2.0	2.3	5.0	4.2	1.0	1.2
Maritime Administration	10.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	46.1	50.6	57.4	63.1	63.5	64.5	63.5	64.3	72.6	77.6	83.2
National Oceanic & Atmospheric Administration	168.8	168.5	188.5	188.9	197.7	224.4	237.5	234.4	225.0	234.6	252.4
National Telecommunications & Information Administration	9.6	9.9	10.1	6.9	7.7	7.9	7.6	7.0	7.3	6.9	6.8
Office of the Secretary	.2	.0	.0	.0	-	.1	.0	-	.0	.0	.0
Department of Defense, total	1,721.4	1,996.6	2,266.1	2,437.0	2,200.7	2,306.9	2,303.3	2,440.0	2,362.2	2,708.2	2,581.6
Department of the Air Force	429.1	491.5	488.1	524.2	547.7	538.4	542.5	563.2	576.7	604.6	579.3
Department of the Army	347.1	388.4	451.6	485.3	486.7	582.6	578.8	692.9	588.0	636.3	595.2
Department of the Navy	396.2	460.0	498.4	521.6	449.6	448.2	447.1	432.5	406.0	429.2	442.6
Defense Agencies	549.1	656.7	828.1	905.9	716.6	737.7	735.0	751.3	791.5	1,038.1	964.6
Department of Education	70.0	33.2	56.3	61.9	68.7	77.3	91.3	103.8	106.6	117.5	125.3
Department of Energy	754.2	827.3	1,053.9	1,193.4	1,194.5	1,198.4	1,080.7	1,029.4	1,050.6	1,020.8	1,065.7

See explanatory information, if any, and SOURCE at end of table.

Table C-100. Federal obligations for applied research, by agency: fiscal years 1980-1990

[Dollars in millions]

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Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	1,570.1	1,591.9	1,460.9	1,545.4	1,651.5	1,795.8	1,850.8	2,194.0	2,415.6	2,700.4	2,818.1
Agency for Healthcare Research and Quality [1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.2
Alcohol, Drug Abuse, & Mental Health Administration	128.8	121.4	128.7	155.4	165.2	179.7	191.5	241.1	286.6	384.7	415.0
Centers for Disease Control & Prevention	87.3	74.8	75.0	78.2	46.3	47.6	52.2	66.2	88.7	117.8	95.6
Food & Drug Administration	75.4	71.4	73.0	74.2	77.8	82.1	79.4	85.0	91.0	99.0	99.0
Health Care Financing Admin	45.7	38.6	29.1	30.2	33.1	33.5	29.0	27.3	28.2	49.1	49.1
Health Resources Admin	5.1	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	NA	NA	6.1	10.2	15.4	17.3	11.2	8.0	9.0	9.3	10.7
Health Services Admin	6.0	6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	19.1	39.5	8.3	6.9	4.5	5.8	6.8	9.4	7.1	8.5	7.7
National Insts of Health	1,145.1	1,181.5	1,103.8	1,165.2	1,285.6	1,410.1	1,469.0	1,739.1	1,885.6	2,008.5	2,074.1
Office of the Assistant Secretary for Health	14.1	16.3	8.2	.0	.0	.0	.0	.0	.0	.0	5.8
Office of the Secretary	22.0	18.9	13.1	14.4	10.0	9.4	6.1	8.2	4.7	7.8	5.0
Social Security Admin	21.4	18.0	15.5	10.8	13.5	10.4	5.6	9.8	14.7	15.8	11.8
Dept of Housing & Urban Dvlpmt	19.6	16.7	10.3	11.3	6.3	6.5	5.3	5.5	6.3	6.1	6.6
Dept of the Interior, total	282.8	289.2	275.0	254.7	254.3	231.0	234.9	247.3	266.0	253.0	269.8
Bonneville Power Admin	.0	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	1.3	1.5	2.4	2.0	1.8	2.8	2.1	2.1	2.2	2.0	2.1
Bureau of Mines	71.3	54.4	65.2	55.9	56.7	36.7	36.6	39.6	54.1	49.3	49.3
Bureau of Reclamation	12.7	13.3	8.9	8.7	8.8	10.9	9.6	10.1	3.6	3.5	5.2
Geological Survey	98.5	115.8	99.4	89.9	125.1	130.0	127.8	131.7	135.8	126.8	134.2
Minerals Management Service	NA	NA	.0	1.5	1.5	1.4	1.1	1.0	1.2	2.2	1.9
National Park Service	8.2	10.4	11.2	13.7	14.0	15.0	17.3	18.5	19.4	19.4	20.1
Office of the Secretary	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
Office of Surface Mining Reclamation & Enforcement	7.5	5.8	1.5	1.5	.8	2.0	2.3	1.0	1.0	.7	.7
Office of Water Rsch & Tech	11.8	8.2	6.8	.8	3.2	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	71.4	73.9	79.6	80.6	42.3	32.2	38.1	43.3	48.7	49.1	56.4
Department of Justice, total	19.2	14.9	13.2	17.1	13.2	15.1	17.0	11.8	9.8	10.7	11.1
Bureau of Prisons	.9	1.7	.9	1.3	1.2	1.1	2.7	2.2	2.1	2.1	1.8
Drug Enforcement Admin	.8	.4	1.3	.9	.7	.5	.8	.7	.6	.5	.4
Immigration & Naturalization Service	.2	.1	.3	.3	.3	.2	.2	.2	.3	.1	.4
Office of Justice Programs	16.1	12.0	10.3	14.4	11.0	13.0	13.2	8.6	6.8	8.0	8.5
Office of Legal Policy	1.3	.7	.4	.2	.0	.3	.2	.1	.0	.0	.0
Department of Labor, total	32.6	54.5	10.6	12.7	11.2	9.1	8.7	19.0	26.4	21.8	21.3
Bureau of Labor Statistics	.9	.3	.3	.7	.5	.6	.6	6.5	7.0	7.0	7.3
Employment Standards Admin	4.9	3.2	1.4	1.4	.9	-	.0	1.0	.1	.1	.1
Employment & Training Admin	16.2	45.1	2.1	2.6	1.0	.3	2.6	4.0	6.5	5.7	5.7
Labor-Management Relations & Cooperative Programs	NA	NA	NA	NA	.3	.3	.2	.3	.4	.3	NA
Labor-Management Services Administration	2.8	1.8	.7	.9	NA	NA	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	6.3	3.0	4.9	5.3	5.1	4.5	3.6	4.1	4.2	4.5	2.5
Office of the Secretary	1.4	1.1	.9	1.5	1.9	1.7	1.3	1.8	5.2	2.5	3.3
Pension Benefit Guaranty Corp	NA	.1	.3	.3	.3	.2	.1	.3	.3	.3	.3
Pension & Welfare Benefits Administration	NA	NA	NA	NA	1.2	1.6	.3	1.0	2.7	1.4	2.1
Department of State, total	2.0	1.6	1.5	1.5	1.6	1.5	1.5	.3	1.0	1.3	1.2
Departmental Funds	2.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-100. Federal obligations for applied research, by agency: fiscal years 1980-1990

[Dollars in millions]

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Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	82.4	87.4	65.7	71.7	74.2	70.2	67.6	68.6	91.2	120.5	119.2
Coast Guard	8.1	14.7	1.7	.8	7.2	5.4	3.5	3.7	5.4	4.6	5.1
Federal Aviation Admin	8.2	8.2	7.0	12.5	15.0	17.3	14.0	11.1	13.3	23.6	26.1
Federal Highway Admin	4.6	5.1	5.3	7.3	6.1	6.3	14.7	20.7	43.7	56.6	57.6
Federal Railroad Admin	7.9	6.2	3.1	2.8	12.3	11.4	12.5	10.4	8.2	7.5	8.5
Federal Transit Admin	8.9	9.3	19.4	18.3	1.0	.5	.0	.0	.0	.0	.0
Maritime Administration	NA	8.9	5.6	5.7	5.1	7.0	6.2	3.1	.5	.0	.9
National Highway Traffic Safety Administration	38.6	29.4	21.3	21.4	24.7	20.9	16.1	18.9	19.1	26.2	16.9
Office of the Secretary	6	.7	.3	.3	9	.9	.4	.4	.7	1.3	1.7
Research & Special Programs Administration	5.5	4.9	2.1	2.6	1.8	.5	.3	.2	4	.7	2.4
Dept of the Treasury, total	4.0	2.9	5.9	6.7	6.6	13.6	12.7	12.7	11.1	13.0	15.3
Bureau of Alcohol, Tobacco, & Firearms	.3	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.3	9	2.8	1.4	1.4	3.1	2.7	2.7	1.1	.9	1.4
Internal Revenue Service	2.2	1.8	3.1	5.0	4.9	10.2	9.5	9.7	9.0	11.3	13.1
US Customs Service	1	1	-	.0	1	.1	.2	.2	.7	4	4
United States Secret Service	0	0	0	3	1	2	.2	.1	.3	4	.5
Department of Veterans Affairs	103.6	112.7	110.1	132.0	156.1	193.7	155.1	173.1	178.8	197.1	199.4
Other agencies											
Advisory Commission on Intergovernmental Relations	2.2	2.2	2.0	2.1	2.1	2.4	2.1	1.9	1.8	1.1	1.5
Appalachian Regional Comm	6	.3	.3	.2	4	2	.2	.1	.2	8	.4
Community Services Admin	1.3	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	1.6	.2	1	.3	1.1	1.4	1.1	.6	1	.5	.4
Environmental Protection Agcy	231.5	207.8	210.7	152.4	142.3	176.0	179.3	246.1	240.7	222.6	241.6
Fed Communications Commission	3.4	1.8	1.2	1.3	9	1.2	.9	1.0	1.2	1.1	1.3
Federal Emergency Management Agency, total	6.7	6.4	7.8	3.3	6.1	2.9	.0	0	0	.0	.0
Federal Trade Commission	1.5	2	.2	.2	2	.3	.3	.5	4	4	.5
General Services Admin	.1	4	5	.2	4	3	.9	1.6	2.3	.5	.7
International Development Cooperation Agency, total	79.7	86.4	127.9	152.6	164.0	158.1	180.7	151.2	132.1	216.0	300.2
Agcy for Internat'l Dvlpmt	79.7	86.4	127.9	152.6	164.0	158.1	180.7	151.2	132.1	216.0	300.2
Interstate Commerce Commission	.1	.0	0	.0	0	.0	.0	0	.0	.0	.0
Library of Congress	5	7	.7	1.0	1.5	1.5	1.1	1.1	1.2	1.2	1.2
Nat'l Aero & Space Admin	1,050.5	876.0	871.4	927.8	954.7	1,032.7	1,152.3	1,255.5	1,218.9	1,461.4	1,423.8
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	1	.0	.3	.3	.1	.1
National Science Foundation	58.4	58.9	57.1	62.9	70.5	83.8	78.1	99.3	99.6	107.8	103.3
Nuclear Regulatory Commission	182.7	219.7	220.3	207.3	190.7	150.0	123.8	122.5	108.5	114.8	108.8
Office of Personnel Management	2.6	3.4	.0	0	.0	.0	0	.0	.0	.0	.0
Office of Thrift Supervision	1.2	1.0	2.7	3.0	2.6	2.8	3.3	3.4	3.4	4.1	4.1
Tennessee Valley Authority	11.2	9.4	8.1	6.7	9.2	8.9	10.5	13.8	15.3	11.7	17.0
United States Arms Control & Disarmament Agency	3.0	1.6	1.3	8	1.2	1.1	.9	4	.8	1.2	2
US Information Agency	1	1.0	0	-	1.4	1	1.6	0	.1	.0	.5
US Internat'l Trade Comm	2.1	3.4	3.8	4.7	5.0	5.8	6.9	7.2	8.1	8.7	9.1

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-100a. Federal obligations for applied research, by agency: fiscal years 1991-2001

[Dollars in millions]

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Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	11,797.6	12,000.7	13,491.4	13,887.7	14,557.4	13,795.7	14,423.4	15,309.3	16,083.9	17,347.8	18,413.7
Departments											
Dept of Agriculture, total	617.9	665.8	635.8	716.2	703.8	670.0	700.0	730.1	744.8	815.9	809.6
Agricultural Cooperative Svc	2.8	3.4	2.9	3.7	NA	NA	NA	NA	NA	NA	NA
Agricultural Marketing Svc	3.7	4.1	4.1	4.2	4.2	4.2	4.2	4.0	4.0	4.3	4.6
Agricultural Research Svc	241.1	257.1	233.3	257.9	259.6	256.6	261.3	288.0	316.4	333.6	358.4
Cooperative State Research, Ed. & Extension Service	206.4	228.6	226.2	234.3	231.7	213.7	243.6	223.0	272.9	322.4	285.0
Economic Research Service	46.8	50.6	48.3	45.3	48.4	47.7	47.7	64.4	56.2	58.8	49.9
Food Safety Inspection Svc	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
Foreign Agricultural Svc	.0	.0	.0	.4	.4	.4	.5	.5	.6	.6	.6
Forest Service	103.6	106.9	107.8	156.5	154.8	143.0	137.4	143.0	88.7	90.5	103.1
Grain Inspection Packers & Stockyards Administration	.7	1.5	1.8	1.8	.3	.5	.6	.5	.0	.0	.0
Human Nutrition Info Svc	9.9	10.7	8.4	7.0	NA	NA	NA	NA	NA	NA	NA
Nat'l Agri Statistics Svc	2.2	2.4	2.6	2.6	2.7	2.5	2.3	2.2	2.4	2.6	2.6
Office of International Cooperation & Development	.7	.4	.4	.0	NA	NA	NA	NA	NA	NA	NA
Rural Business-Coop Svc	NA	NA	NA	2.4	1.6	1.4	2.5	4.4	3.5	3.3	5.6
Department of Commerce, total	415.4	561.4	544.9	678.2	853.1	813.1	768.8	767.4	798.9	847.7	877.3
Bureau of the Census	2.3	2.4	2.9	2.5	2.6	1.6	2.4	4.6	3.8	2.5	.1
Economic Development Admin	1.4	.5	.0	.6	.5	.6	.6	.6	.6	.6	.6
National Institute of Standards & Technology	92.5	115.8	136.4	167.5	333.1	318.2	293.3	266.7	266.9	276.1	304.9
National Oceanic & Atmospheric Administration	315.6	438.7	401.4	502.7	510.4	480.8	468.8	491.7	523.7	564.7	562.9
National Telecommunications & Information Administration	3.6	4.0	4.2	4.8	6.4	11.9	3.8	3.8	3.8	3.8	8.9
Office of the Secretary	.0	.0	.0	.0	-	-	.0	.0	.0	.0	.0
Department of Defense, total	2,723.8	2,974.5	3,515.2	3,040.0	2,950.1	2,857.6	2,786.9	2,939.1	3,102.1	3,393.8	3,196.8
Department of the Air Force	621.2	584.7	669.1	571.9	627.7	654.4	628.5	551.3	573.4	561.4	590.9
Department of the Army	671.9	727.8	802.8	639.3	633.3	475.3	531.7	635.9	667.3	828.1	639.0
Department of the Navy	486.0	499.0	574.1	447.0	470.5	516.8	538.5	493.2	517.5	631.7	532.8
Defense Agencies	944.7	1,162.9	1,469.2	1,381.7	1,218.6	1,211.1	1,088.2	1,258.7	1,343.9	1,372.6	1,434.1
Department of Education	123.1	119.5	128.3	131.2	132.8	132.1	135.0	146.7	146.6	156.3	185.1
Department of Energy	1,587.2	1,676.1	1,685.4	1,679.2	1,825.6	1,432.5	1,596.8	1,758.7	1,788.0	1,888.7	2,140.0
Department of Health & Human Services, total	3,112.4	2,886.8	3,495.9	3,852.5	4,014.9	4,041.3	4,376.3	4,663.1	5,082.1	5,786.2	6,150.2
Administration on Aging	2.9	2.5	2.7	3.5	3.0	.2	.2	2.4	2.4	5.0	5.0
Administration for Children & Families	13.5	34.3	18.5	10.4	11.2	12.6	17.4	23.5	24.9	30.5	31.9
Agency for Healthcare Research and Quality[1]	93.0	97.8	105.6	141.2	124.0	116.0	134.1	138.8	171.3	186.9	235.0
Alcohol, Drug Abuse, & Mental Health Administration	463.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	113.4	146.9	162.5	206.8	317.4	296.7	323.0	343.6	433.3	477.1	518.0
Food & Drug Administration	125.0	135.7	154.5	169.4	170.5	170.8	158.6	142.9	130.8	140.2	160.9
Health Care Financing Admin	69.1	75.5	68.2	80.0	74.5	52.7	43.6	51.2	49.7	61.8	55.0
Hlth Resources & Svcs Admin	9.5	8.8	8.5	9.8	11.2	10.1	12.1	11.9	11.6	11.9	11.9
National Insts of Health	2,193.5	2,341.3	2,942.9	3,197.4	3,273.6	3,373.3	3,669.0	3,934.9	4,244.2	4,856.1	5,115.5
Office of the Assistant Secretary for Health	9.6	6.0	.0	.0	.0	NA	NA	NA	NA	NA	NA
Off of the Secretary, total	8.8	5.0	8.0	11.7	9.1	9.0	18.4	13.9	13.9	16.7	17.0
Office of the Assistant Sec, Planning & Eval	NA	NA	NA	NA	NA	9.0	18.4	13.9	13.9	16.7	17.0
Social Security Admin	10.2	33.0	24.5	22.2	20.4	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-100a. Federal obligations for applied research, by agency: fiscal years 1991-2001

[Dollars in millions]

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Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary 2000	Preliminary 2001
Dept of Housing & Urban Dvlpmt	9.4	8.8	8.1	13.7	14.2	11.2	11.3	9.2	19.1	20.7	22.6
Dept of the Interior, total	324.1	339.7	349.8	566.9	477.3	486.0	496.2	454.1	550.9	488.1	526.6
Bureau of Land Management	4.8	5.3	7.4	.0	.0	.0	.0	.0	.0	.0	.0
Bureau of Mines	56.2	59.2	60.4	70.0	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	7.7	10.7	7.4	5.5	6.0	4.9	5.4	6.6	7.7	6.4	6.6
Geological Survey	159.3	164.3	165.9	311.9	306.2	439.5	444.8	389.0	491.5	426.6	463.8
Minerals Management Service	2.7	3.8	5.8	20.6	20.0	21.9	20.6	29.3	28.8	28.9	28.7
Nat'l Biological Svc	NA	NA	.0	135.4	125.8	NA	NA	NA	NA	NA	NA
National Park Service	27.5	31.1	37.5	23.6	19.2	19.7	25.5	29.2	22.9	26.2	27.5
Office of the Secretary	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	1.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0
US Fish & Wildlife Service	64.8	64.8	64.8	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	14.7	15.0	20.5	20.0	17.7	19.5	20.1	26.0	36.2	25.3	16.9
Bureau of Prisons	1.9	2.5	2.5	2.1	3.2	3.1	1.9	4.3	7.4	2.9	3.0
Drug Enforcement Admin	.9	.1	-	.1	.0	-	-	.0	.0	.0	.0
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.2	.4	.0	.0	.0	.0
Office of Justice Programs	11.5	12.0	17.6	17.4	14.1	16.1	17.8	21.7	28.8	22.4	13.9
Department of Labor, total	24.0	23.6	13.4	13.7	16.6	15.2	10.4	11.0	16.6	19.2	21.8
Bureau of Labor Statistics	7.5	7.6	1.5	1.5	1.5	1.8	1.3	1.3	1.3	1.3	1.3
Employment & Training Admin	6.3	5.4	3.3	2.9	4.2	2.6	1.5	2.2	8.8	9.3	11.7
Occupational Safety & Health Administration	2.6	3.1	2.5	3.3	4.4	6.6	5.5	4.6	3.8	4.4	5.0
Office of the Secretary	4.7	4.1	2.9	3.1	2.9	1.8	.1	.1	.2	8	.0
Pension Benefit Guaranty Corp	4	8	.7	.3	1	.1	.1	.1	1	1	.1
Pension & Welfare Benefits Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	2.5	3.4	3.8
Department of State[2]	1.3	7	.5	.4	5	.9	1.0	.9	1.5	1.5	1.5
Dept of Transportation, total	114.6	155.7	224.4	270.4	323.9	336.7	343.7	366.1	416.0	448.5	562.6
Coast Guard	6.4	5.0	8.2	5.6	4.9	5.0	5.7	5.1	5.1	5.3	5.1
Federal Aviation Admin	24.0	30.1	59.8	79.5	83.3	130.6	159.4	151.6	142.3	156.5	184.4
Federal Highway Admin	46.1	72.0	90.1	131.2	156.3	135.4	111.6	134.6	187.2	200.4	237.6
Federal Railroad Admin	13.2	18.9	20.9	16.1	22.5	21.3	18.2	21.2	20.3	26.7	24.7
Federal Transit Admin	.0	.0	10.9	7.8	10.9	5.6	6.0	7.4	4.8	3.7	3.8
Maritime Administration	1.7	1.8	1.7	1.7	2.5	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	21.4	25.8	31.6	25.3	39.7	33.2	36.4	41.6	50.4	50.6	95.3
Office of the Secretary	.6	7	6	.6	6	.0	0	0	.0	.0	.0
Research & Special Programs Administration	1.4	1.4	5	2.6	3.2	5.6	6.3	4.6	6.0	5.4	11.8
Dept of the Treasury, total	20.6	17.2	4.6	9.2	48.9	50.4	50.8	52.5	50.7	49.8	59.8
Bureau of Engraving & Printing	2.7	1.8	3.2	1.6	1.3	1.5	1.6	2.6	2.0	2.6	2.6
Internal Revenue Service	13.9	13.9	.0	6.1	45.8	47.5	47.9	47.9	48.0	46.2	56.0
Off of Thrift Supervision	3.0	8	.7	.5	6	.5	6	7	.1	2	.2
US Customs Service	.5	2	.1	.5	7	.5	.4	8	.0	.0	.0
United States Secret Service	.4	.5	6	5	5	.5	4	.5	.5	1.0	1.1
Department of Veterans Affairs	177.7	185.2	194.1	209.1	206.4	222.8	217.4	149.1	183.8	198.8	199.0

See explanatory information, if any, and SOURCE at end of table.

Table C-100a. Federal obligations for applied research, by agency: fiscal years 1991-2001

[Dollars in millions]

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Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Other agencies:											
Advisory Commission on Intergovernmental Relations	1.7	1.7	2.1	1.4	1.4	NA	NA	NA	NA	NA	NA
Appalachian Regional Comm	.7	1.9	.9	.9	.9	.9	.9	.7	.8	.6	.8
Consumer Product Safety Comm	.9	.8	.8	.1	.0	.0	.1	.0	.0	.0	.0
Environmental Protection Agcy	261.9	293.9	272.4	301.0	331.3	329.1	358.0	419.8	400.0	387.2	381.6
Fed Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	3.9	3.5
Federal Trade Commission	1.0	1.3	.9	.7	.6	.5	.7	1.1	1.3	1.2	1.4
International Development Cooperation Agency, total	351.7	294.2	350.8	214.4	270.4	203.0	176.5	171.1	163.7	173.2	165.8
Agcy for International Development[3]	351.7	294.2	350.8	214.4	270.4	203.0	176.5	171.1	163.7	173.2	165.8
Library of Congress	1.3	1.4	1.4	1.5	1.6	1.6	.5	.5	.5	.5	.6
Nat'l Aero & Space Admin	1,665.6	1,491.1	1,748.6	1,876.7	2,067.9	1,897.1	2,090.1	2,389.9	2,317.0	2,372.8	2,802.7
Nat'l Archives & Records Admin	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
National Science Foundation	109.0	126.9	138.1	169.7	176.0	181.0	191.8	170.7	146.5	164.0	192.9
Nuclear Regulatory Commission	108.8	119.0	119.8	90.7	88.2	70.9	62.1	51.7	49.0	53.0	53.0
Social Security Admin	NA	NA	NA	NA	NA	11.5	13.6	17.4	53.3	40.3	41.6
Tennessee Valley Authority	16.9	22.2	18.1	17.0	17.4	3.9	4.0	.8	.0	.0	.0
United States Arms Control & Disarmament Agency[2]	.4	2.1	1.5	1.3	1.1	.7	1.2	1.2	.0	.0	.0
US Information Agency	.1	.0	1.1	.6	.3	.1	.2	.3	.1	.1	.0
US Internat'l Trade Comm	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	10.1	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-101. Federal obligations for development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 1 of 3

Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all agencies	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1
Departments											
Dept of Agriculture, total	30.2	33.0	30.8	30.0	31.3	32.0	32.1	29.0	31.4	36.1	47.1
Agricultural Marketing Svc	.3	.2	.2	.3	.3	.3	.3	.3	.3	.3	.4
Agricultural Research Svc	NA	26.2	25.8	25.5	27.0	27.7	27.4	24.0	26.3	31.4	33.3
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0
Forest Service	5.5	6.2	4.5	3.8	3.3	3.3	3.6	3.8	4.0	3.9	4.8
Grain Inspection Packers & Stockyards Administration	.0	.0	.0	.0	.0	.2	.3	.5	.4	.3	.4
Office of International Cooperation & Development	.4	.3	.2	.4	.7	.4	.3	.3	.2	.1	.2
Office of Transportation	.8	.1	.1	.1	.1	.2	.1	.1	.1	NA	NA
Science & Ed Admin, total	23.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural Research Svc	23.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	88.1	78.6	60.2	50.2	61.5	74.6	59.7	63.7	46.6	46.9	61.2
Bureau of the Census	1.2	.9	1.9	2.1	2.1	2.4	2.1	1.9	1.9	2.0	2.0
Economic Development Admin	29.8	26.3	8.0	.0	.0	11.0	8.0	.0	.0	.0	.0
Maritime Administration	7.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	17.3	16.3	14.9	13.6	11.8	14.0	11.6	9.3	9.1	10.0	10.5
National Oceanic & Atmospheric Administration	30.9	32.9	33.5	33.1	46.6	45.4	37.2	51.7	34.8	34.1	47.7
National Telecommunications & Information Administration	1.1	1.1	1.2	1.4	.9	1.2	.8	.8	.8	.9	.9
Office of the Secretary	-	.0	.0	-	.1	.6	.0	.0	.0	.0	.0
Patent & Trademark Office	.5	1.1	.7	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	11,719.2	13,907.7	17,669.8	19,770.1	22,324.3	26,623.2	29,710.7	31,884.0	32,009.7	33,920.8	33,738.9
Department of the Air Force	4,673.7	6,351.9	8,724.0	10,124.2	11,351.5	12,524.3	12,834.8	14,562.9	14,094.2	14,430.0	14,055.1
Department of the Army	2,500.7	2,707.7	3,121.3	3,304.5	3,516.8	3,747.4	3,982.1	4,109.6	4,052.3	4,835.9	4,903.8
Department of the Navy	4,095.0	4,308.0	5,066.4	5,241.2	6,840.2	8,336.1	8,865.9	8,721.1	8,766.2	8,882.9	8,778.6
Defense Agencies	411.9	499.1	717.1	1,038.7	557.3	1,964.8	3,910.7	4,353.5	4,868.4	5,616.8	5,780.2
Operational Test & Evaluation, Director	NA	NA	NA	NA	NA	NA	.0	8.4	68.2	14.4	32.6
Test & Evaluation, Deputy Under Secretary of Defense	37.9	41.1	41.0	61.6	58.6	50.6	117.1	128.5	160.3	140.7	188.7
Department of Education	51.8	51.1	57.5	35.6	34.8	33.0	25.5	25.6	29.7	37.2	39.7
Department of Energy	3,476.4	3,504.6	3,012.1	2,575.6	2,648.7	2,825.0	2,648.0	2,659.4	2,801.0	2,760.9	3,060.1

See explanatory information, if any, and SOURCE at end of table

Table C-101. Federal obligations for development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 2 of 3

Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Department of Health & Human Services, total	447.4	434.9	335.2	331.7	364.7	422.7	468.0	584.3	661.1	814.4	938.5
Agency for Healthcare Research and Quality[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5
Alcohol, Drug Abuse, & Mental Health Administration	.0	1.8	2.1	1.8	1.2	1.1	1.2	2.2	2.4	3.0	41.5
Hlth Resources & Svcs Admin	NA	NA	3.4	2.3	2.3	1.5	.0	.0	.0	.0	.0
Health Services Admin	18.7	10.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Human Development Services	30.1	33.8	18.5	16.6	13.8	18.5	47.8	43.6	46.8	93.2	87.7
National Insts of Health	394.4	384.9	308.7	311.0	347.0	399.6	417.5	536.2	610.2	716.5	800.7
Office of the Assistant Secretary for Health	4.2	4.3	2.2	.0	.0	1.7	1.5	2.3	1.6	1.7	1.1
Office of the Secretary	.0	.0	.3	.0	.4	.2	.0	.0	.0	.0	.0
Social Security Admin	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
Dept of Housing & Urban Dvlpmt	36.4	31.4	18.5	20.8	11.9	12.0	10.1	10.8	12.1	11.9	12.7
Dept of the Interior, total	56.8	57.3	29.6	24.8	30.7	22.4	17.3	21.7	24.3	27.1	33.3
Bonneville Power Admin	.0	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Land Management	.3	.4	2.9	1.9	2.0	1.6	1.3	1.6	1.5	1.0	.7
Bureau of Mines	30.6	28.7	13.6	9.2	11.6	3.3	2.8	3.6	5.2	5.4	9.4
Bureau of Reclamation	1.2	.9	1.1	1.2	1.4	2.0	.5	.5	.7	.6	.5
Geological Survey	.5	.5	.5	2.3	4.9	4.4	7.4	10.3	10.9	12.9	15.1
Office of the Secretary	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.2
Office of Water Rsch & Tech	10.9	5.3	1.3	1.0	.0	NA	NA	NA	NA	NA	NA
US Fish & Wildlife Service	13.4	13.7	10.3	9.2	10.8	11.1	5.3	5.7	5.7	6.7	7.4
Department of Justice, total	12.7	7.0	10.4	10.7	6.6	16.7	14.1	22.5	25.7	20.6	20.6
Bureau of Prisons	1.3	.9	.7	.4	.4	.4	.3	4.9	3.9	3.0	2.7
Drug Enforcement Admin	1.9	.9	1.9	1.6	1.2	1.1	1.7	1.5	1.9	2.2	2.0
Fed Bureau of Investigation	1.4	.7	2.7	2.5	1.0	9.5	7.2	8.0	12.7	7.7	8.2
Immigration & Naturalization Service	.2	.1	.4	.3	.3	.2	.2	.2	.0	.0	.0
Office of Justice Programs	7.5	4.4	4.6	5.8	3.8	5.5	4.7	7.9	7.1	7.8	7.7
Office of Legal Policy	.5	.1	-	.1	.0	.0	.0	.0	.0	.0	.0
Department of Labor, total	101.6	4.0	8.3	1.9	.0	.9	.9	1.2	8.9	13.3	51.4
Employment & Training Admin	101.6	3.6	7.4	1.1	.0	.0	.0	.3	8.0	9.7	47.4
Office of the Secretary	.0	.0	.0	.0	.0	.9	.9	.9	.9	3.6	3.8
Pension Benefit Guaranty Corp	NA	.4	.8	.8	.0	.0	.0	.0	.0	.0	.2
Department of State, total	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Departmental Funds	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-101. Federal obligations for development, by agency: fiscal years 1980-1990

[Dollars in millions]

Page 3 of 3

Selected agency	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Dept of Transportation, total	278.8	327.0	243.4	275.1	370.6	357.6	317.3	256.2	213.4	182.9	247.4
Coast Guard	9.9	11.3	18.3	18.4	12.2	13.6	13.4	13.3	15.7	13.3	15.2
Federal Aviation Admin	94.9	111.8	87.3	113.7	251.2	269.0	246.6	156.2	147.3	123.2	189.9
Federal Highway Admin	46.5	46.1	35.0	43.1	40.3	42.6	30.8	56.0	30.4	34.4	33.8
Federal Railroad Admin	38.3	30.4	15.1	13.7	6.9	3.6	2.9	.8	1.8	1.5	1.7
Federal Transit Admin	45.5	68.9	42.0	38.6	19.1	9.7	8.2	12.6	2.3	1.4	1.6
Maritime Administration	NA	4.7	4.5	8.8	1.3	5.9	2.6	2.5	.0	.0	.0
National Highway Traffic Safety Administration	24.9	36.5	34.1	30.6	32.2	7.2	6.3	9.0	9.2	3.5	.0
Office of the Secretary	10.2	9.4	3.0	4.6	4.0	3.9	4.7	4.1	5.0	4.2	5.1
Research & Special Programs Administration	8.5	7.9	4.0	3.6	3.5	2.2	1.7	1.8	1.7	1.3	.0
Dept of the Treasury, total	6.3	6.1	5.2	5.4	3.3	6.0	6.3	9.5	10.2	9.3	6.9
Bureau of Alcohol, Tobacco & Firearms	1.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bureau of Engraving & Printing	1.0	1.8	2.0	1.9	1.3	1.6	1.1	1.7	8	.3	.7
Internal Revenue Service	1	-	1	1	.2	1.3	2	4	.7	.3	.3
US Customs Service	3.7	3.4	3.1	3.3	1.7	2.1	4.6	6.8	8.5	6.4	5.8
United States Mint	.0	0	0	.0	.0	6	3	2	.1	2.0	.1
United States Secret Service	4	6	0	-	.1	.5	-	.3	0	.2	.0
Department of Veterans Affairs	15.5	16.7	14.3	15.3	18.4	17.5	16.3	19.2	19.2	21.0	22.1
Other agencies:											
Appalachian Regional Comm	2	1	1	0	.1	0	.0	.0	.0	.0	.0
Community Services Admin	29.1	16.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	1.9	3	1	2	2	1.0	9	1.6	.9	.8	.7
Environmental Protection Agcy	99.9	107.4	91.7	66.1	89.2	105.8	99.5	71.0	79.5	107.0	104.5
Federal Emergency Management Agency, total	2.5	2.5	0	.0	5.4	1.2	.0	0	.0	.0	.0
General Services Admin	1	2	5	3	2.0	0	.3	.0	.0	.0	.0
International Development Cooperation Agency, total	69.7	47.8	72.0	70.6	70.3	60.5	66.2	63.5	69.3	60.0	29.3
Agcy for Internat'l Dvlpmt	69.7	47.8	72.0	70.6	70.3	60.5	66.2	63.5	69.3	60.0	29.3
Library of Congress	6.3	4.0	4.9	6.0	5.4	5.0	5.0	5.0	5.5	6.4	7.0
Nat'l Aero & Space Admin	1,624.4	2,186.0	1,670.7	1,116.8	1,112.7	1,543.6	1,350.8	1,517.8	1,998.8	2,514.7	3,472.6
Nat'l Archives & Records Administration	NA	NA	NA	NA	NA	.3	1.0	4	2	.1	.1
National Science Foundation	8.1	6.1	2.2	.0	.0	.0	.0	.0	0	.0	.0
Office of Personnel Management	4.2	5.0	.0	0	.0	.0	0	.0	0	.0	.0
Tennessee Valley Authority	64.3	54.7	72.3	50.7	53.8	65.1	59.8	60.2	68.8	48.0	43.2
United States Arms Control & Disarmament Agency	8	8	6	.1	.2	.0	.1	3.2	2.6	1.6	.0
US Information Agency	-	3	.1	.0	0	.0	4	3.5	3	.1	0

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[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-101a. Federal obligations for development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 1 of 3

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all agencies	37,326.8	41,102.0	40,423.5	39,824.2	39,752.4	39,393.3	40,461.5	41,178.5	41,813.1	43,140.7	42,838.1
Departments:											
Dept of Agriculture, total	61.2	66.1	76.1	77.4	81.4	80.3	98.5	107.1	126.1	130.6	141.3
Agricultural Marketing Svc	.5	.6	.6	.6	.6	.6	.6	.7	.7	.8	.8
Agricultural Research Svc	40.2	43.9	52.8	54.3	54.7	54.0	61.9	68.2	77.0	81.1	87.2
Animal & Plant Health Inspection Service	15.7	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.5	21.3
Food Safety Inspection Svc	.0	.0	0	0	.0	-	-	.1	.4	-	.0
Foreign Agricultural Svc	.0	.0	.0	0	.0	.0	.0	0	.0	.0	0
Forest Service	4.5	4.9	5.5	3.3	5.8	5.6	13.9	15.5	27.6	28.1	32.1
Grain Inspection Packers & Stockyards Administration	.1	.0	.0	0	1.2	2.0	2.2	2.2	.0	0	.0
Office of International Cooperation & Development	.2	.0	0	0	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	39.9	55.3	74.2	107.8	243.7	216.9	195.1	141.6	142.2	143.7	184.7
Bureau of the Census	1.9	2.0	2.1	2.0	1.9	3.8	1.7	3.4	9.1	8.7	.2
National Institute of Standards & Technology	15.6	29.6	34.3	45.9	191.2	161.6	128.9	89.0	93.3	99.1	116.3
National Oceanic & Atmospheric Administration	22.4	23.7	37.8	59.9	50.6	47.7	40.5	27.4	18.4	18.9	23.1
National Telecommunications & Information Administration	0	0	0	0	0	3.8	24.0	21.8	21.4	16.9	45.1
Department of Defense, total	28,416.9	32,056.1	31,065.7	30,312.6	29,597.9	30,539.9	30,978.4	31,316.3	31,503.6	32,376.6	31,986.3
Department of the Air Force	10,107.1	12,636.6	11,747.5	11,713.1	10,963.4	12,159.8	13,135.0	13,102.2	13,257.6	13,485.8	12,947.8
Department of the Army	5,221.0	5,921.5	5,190.5	4,721.5	4,567.2	4,203.2	4,111.1	4,219.9	4,190.5	4,415.7	4,467.4
Department of the Navy	6,932.0	7,138.0	8,106.8	8,081.9	8,083.3	7,712.9	7,329.8	7,334.1	7,953.5	8,373.4	7,819.7
Operational Test & Evaluation, Director	13.6	12.4	12.3	11.2	21.7	21.9	26.6	30.3	44.7	28.9	176.0
Test & Evaluation, Deputy Under Secretary of Defense	223.7	233.2	242.5	231.8	231.0	257.7	269.7	242.0	257.3	247.3	39.7
Department of Education	39.4	41.5	44.1	39.9	39.3	38.2	43.2	55.7	75.1	88.4	120.0
Department of Energy	2,709.5	2,759.7	2,821.9	2,765.5	2,685.0	1,982.8	2,035.8	2,086.3	2,089.9	2,164.9	2,269.8
Department of Health & Human Services, total	1,593.5	1,042.3	1,156.6	1,285.1	1,379.3	1,405.2	1,557.2	1,883.2	2,200.1	2,520.7	2,686.2
Administration on Aging	17.7	17.8	18.2	15.6	17.7	3.5	4.3	8.0	16.1	26.7	26.7
Administration for Children & Families	115.5	4.8	1.4	.9	.8	.0	0	0	.0	.0	.0
Agency for Healthcare Research and Quality[1]	8.1	8.5	9.2	12.4	11.3	9.2	9.9	7.7	10.9	11.9	15.0
Alcohol, Drug Abuse, & Mental Health Administration	537.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hlth Resources & Svcs Admin	.0	.0	.0	5.8	1.0	.0	.0	.0	.0	.0	.0
National Insts of Health	912.5	1,010.5	1,126.6	1,249.6	1,348.2	1,374.1	1,473.3	1,591.0	1,879.9	2,181.3	2,357.8
Office of the Assistant Secretary for Health	.4	.7	1.2	.8	.3	NA	NA	NA	NA	NA	NA
Office of the Secretary, total	.0	.0	.0	0	.0	1.7	.6	3.1	3.8	4.1	4.6
Office of Public Health & Science	NA	NA	NA	NA	NA	1.7	.6	3.1	3.8	4.1	4.6
Social Security Admin	1.7	0	.0	0	.0	NA	NA	NA	NA	NA	NA
Substance Abuse & Mental Health Services Admin[2]	NA	NA	NA	NA	NA	16.7	69.1	273.4	289.3	296.7	282.2

See explanatory information, if any, and SOURCE at end of table.

Table C-101a. Federal obligations for development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 2 of 3

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Dept of Housing & Urban Dvlpmt	18.4	16.3	15.5	25.9	27.7	22.0	22.2	18.8	37.9	37.1	40.1
Dept of the Interior, total	39.5	38.6	39.0	43.9	29.2	25.5	27.2	29.1	31.5	26.1	36.8
Bureau of Land Management	2.8	4	.9	.0	0	.0	0	.0	.0	.0	.0
Bureau of Mines	7.1	4.2	6.9	12.5	.0	NA	NA	NA	NA	NA	NA
Bureau of Reclamation	.9	2.5	2.8	1.8	2.0	1.6	1.7	2.2	2.6	2.1	2.2
Geological Survey	18.2	16.9	12.8	15.7	14.1	23.8	25.5	26.9	28.9	24.0	34.6
Nat'l Biological Svc	NA	NA	.0	13.8	13.0	NA	NA	NA	NA	NA	NA
Office of the Secretary	5	7	.2	.1	-	.0	.0	.0	0	.0	.0
US Fish & Wildlife Service	10.0	13.9	15.3	.0	.0	.0	0	.0	.0	0	.0
Department of Justice, total	27.8	27.7	23.3	19.2	32.1	45.2	52.3	58.6	64.6	59.4	66.4
Bureau of Prisons	3.3	3.4	3.6	3.3	2.5	2.2	2.7	3.8	3.5	3.5	3.6
Drug Enforcement Admin	1.8	1.3	8	.8	4	1.2	-	.0	0	0	.0
Fed Bureau of Investigation	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	36.4	41.4
Immigration & Naturalization Service	0	.0	0	.0	0	.0	0	.0	2	7	6
Office of Justice Programs	11.9	12.1	7.5	8.1	18.3	8.5	14.0	19.0	24.5	18.9	20.8
Department of Labor, total	19.7	27.9	36.1	40.1	25.5	25.8	13.3	5.7	26.4	30.8	33.1
Employment & Training Admin	15.5	26.1	32.5	36.9	21.4	24.3	12.6	5.0	25.0	27.9	27.1
Office of the Secretary	4.0	1.7	3.0	2.2	3.4	8	.1	.1	.8	2.2	5.3
Pension Benefit Guaranty Corp	.2	.1	.6	1.0	.7	.6	.6	6	.6	.7	.7
Dept of Transportation, total	265.3	288.1	319.3	347.4	356.2	177.3	145.7	165.1	190.3	187.9	213.2
Coast Guard	19.2	15.0	24.7	16.7	14.8	15.0	17.2	15.3	15.2	15.8	15.3
Federal Aviation Admin	196.2	206.1	189.1	206.1	205.1	77.7	49.7	76.4	63.0	59.8	80.4
Federal Highway Admin	40.8	57.0	83.1	101.5	109.4	66.1	61.1	57.7	85.4	92.9	99.1
Federal Railroad Admin	2.7	3.9	4.3	3.4	4.0	5.4	7	.3	6	.9	.8
Federal Transit Admin	1.7	1.7	13.3	12.1	17.9	8.1	11.1	10.2	15.7	13.2	11.4
Office of the Secretary	3.7	3.4	3.9	4.9	3.3	2.8	3.5	3.4	9.1	3.7	4.7
Research & Special Programs Administration	1.0	1.1	.8	2.7	1.8	2.1	2.4	1.7	1.3	1.7	1.6
Dept of the Treasury, total	6.7	3.8	5.5	9.8	12.4	9.5	8.8	12.5	14.0	8.7	7.9
Bureau of Engraving & Printing	.8	.2	.0	1	.5	1	1	.1	.1	.1	.1
Financial Crimes Enforcement Network	2.3	1.2	1.5	.0	.0	.0	0	.0	.0	.0	.0
Internal Revenue Service	4	4	0	5.2	3.9	3.7	3.0	4.1	7.8	5.7	6.5
US Customs Service	3.2	2.0	3.9	4.0	7.7	5.7	5.8	8.3	5.3	1.9	.0
United States Mint	.1	.0	.1	.5	.3	.0	-	1	.8	1.1	1.3
Department of Veterans Affairs	22.8	23.0	28.7	24.5	19.1	20.8	21.7	8.0	6.8	7.4	7.4

See explanatory information, if any and SOURCE at end of table

Table C-101a. Federal obligations for development, by agency: fiscal years 1991-2001

[Dollars in millions]

Page 3 of 3

Selected agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Other agencies											
Consumer Product Safety Comm	4	3	4	2	4	-	.0	.0	.0	.0	.0
Environmental Protection Agcy	79.5	79.6	133.7	151.2	149.9	83.5	83.1	94.0	95.8	91.5	90.7
International Development Cooperation Agency, total	20.4	65.9	23.0	38.1	29.8	18.0	29.7	39.1	39.3	48.0	51.2
Agcy for International Development[3]	20.4	65.9	23.0	38.1	29.8	18.0	29.7	39.1	39.3	48.0	51.2
Library of Congress	7.3	8.5	8.7	8.1	8.0	8.4	1.9	1.1	1.8	1.3	1.5
Nat'l Aero & Space Admin	3,909.1	4,428.3	4,471.1	4,455.7	4,968.9	4,692.1	5,142.4	5,154.4	5,167.8	5,217.6	4,901.4
Nat'l Archives & Records Admin	1	1	-	0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	49.5	72.9	80.6	71.9	66.7	1.9	4.9	1.8	.0	.0	.0

[1] The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on December 6, 1999.

[2] Data for fiscal years 1999-2001 from the Substance Abuse and Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

[3] Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1999-2001) and AID's Federal funds survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A. For additional notes associated with the agencies listed in this table, refer to appendix B.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:

- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table C-102. Federal obligations for research and development, by performer: fiscal years 1980-1990

[Dollars in millions]

Performer	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5
Intramural[1]	7,632.3	8,425.7	9,141.0	10,581.9	11,572.3	12,945.4	13,534.9	13,413.1	14,114.6	15,024.6	15,848.9
Industrial firms excluding FFRDCs	12,969.1	14,867.9	17,192.2	17,019.7	18,610.4	21,704.9	24,201.2	26,768.2	26,719.2	28,547.9	29,370.0
FFRDCs administered by industrial firms	1,408.1	1,413.9	1,506.4	1,501.2	1,608.4	1,790.8	1,697.0	1,860.0	1,911.3	2,056.3	2,326.8
Universities & colleges excluding FFRDCs	4,263.4	4,465.8	4,605.5	4,966.4	5,546.9	6,339.7	6,558.8	7,337.3	7,827.7	8,672.0	9,137.5
FFRDCs administered by universities[2]	1,533.3	1,791.0	1,976.7	2,393.9	2,485.8	2,816.4	2,767.7	3,209.6	3,473.9	3,497.1	3,449.8
Nonprofit institutions excluding FFRDCs	1,105.6	1,068.8	1,091.7	1,241.6	1,497.3	1,699.2	1,677.0	1,711.4	1,683.2	1,999.9	2,248.2
FFRDCs administered by nonprofit institutions[2]	441.8	525.2	520.6	581.3	597.1	689.2	551.2	510.6	505.6	522.0	621.6
State and local governments	265.5	222.2	184.3	186.0	130.9	129.4	128.4	148.2	142.1	167.4	213.9
Foreign	211.2	323.4	214.3	239.5	175.8	244.5	296.3	295.3	391.8	919.4	342.6

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-102a. Federal obligations for research and development, by performer: fiscal years 1991-2001

[Dollars in millions]

Performer	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total	61,295.2	65,592.6	67,314.0	67,235.4	68,186.8	67,653.0	69,826.8	72,100.7	75,340.6	79,470.3	81,526.2
Intramural[1]	15,138.2	15,582.8	16,663.3	16,132.1	17,024.8	16,540.4	16,718.2	17,121.5	18,084.7	19,072.8	19,352.4
Industrial firms excluding FFRDCs	26,420.6	29,744.8	30,219.0	30,454.9	30,236.1	30,373.8	31,419.3	31,998.6	31,901.7	32,815.0	33,026.2
FFRDCs administered by industrial firms	2,168.3	2,117.0	1,451.3	1,293.5	1,201.8	1,137.0	1,128.2	1,188.9	1,328.0	1,335.5	1,385.5
Universities & colleges excluding FFRDCs	10,168.5	10,271.2	11,208.4	11,796.9	11,927.5	11,977.8	12,559.0	13,380.7	14,959.1	16,612.1	17,723.6
FFRDCs administered by universities	3,603.8	3,855.5	3,614.2	3,292.9	3,561.6	3,447.1	3,701.0	3,890.2	3,896.4	3,992.6	4,189.1
Nonprofit institutions excluding FFRDCs	2,637.4	2,803.6	2,811.9	2,936.9	2,834.1	2,886.8	2,961.6	3,171.3	3,608.7	4,047.1	4,175.6
FFRDCs administered by nonprofit institutions[2]	679.4	745.6	753.4	736.0	825.1	755.2	821.0	603.0	913.2	898.2	978.0
State and local governments	215.1	184.1	320.3	325.4	316.5	246.7	261.1	447.5	357.5	389.6	410.7
Foreign	263.9	287.9	272.2	266.8	259.2	288.3	257.5	299.1	291.4	307.5	284.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.) The previous administrator was a university consortium

NOTE: Because of rounding, detail may not add to totals

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-103. Federal obligations for research, by performer: fiscal years 1980-1990

[Dollars in millions]

Performer	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4
Intramural[1]	3,666.3	4,034.2	4,194.2	4,710.3	4,764.7	5,056.1	5,160.3	5,437.7	5,338.4	5,897.0	5,809.8
Industrial firms excluding FFRDCs	2,077.6	1,958.3	2,156.6	2,114.2	2,137.4	2,074.4	2,280.5	2,448.6	2,642.5	2,875.0	3,191.6
FFRDCs administered by industrial firms	311.0	351.3	487.3	522.6	496.5	485.9	482.1	433.5	455.2	604.3	614.3
Universities & colleges excluding FFRDCs	3,699.1	3,920.1	4,045.4	4,467.9	5,029.7	5,726.3	5,883.4	6,640.2	7,022.9	7,793.1	8,136.5
FFRDCs administered by universities[2]	851.2	940.6	1,056.7	1,250.1	1,335.9	1,421.3	1,291.7	1,471.0	1,564.8	1,703.4	1,791.5
Nonprofit institutions excluding FFRDCs	678.4	705.2	743.5	836.9	922.6	1,045.1	1,062.9	1,207.5	1,300.0	1,519.8	1,660.0
FFRDCs administered by nonprofit institutions[2]	71.7	67.7	104.2	85.2	87.3	97.0	87.9	89.8	82.9	109.5	137.6
State and local governments	150.9	129.3	125.9	136.7	88.2	89.5	91.0	90.2	103.1	121.2	126.4
Foreign	91.1	106.0	108.3	129.6	116.5	137.9	162.4	121.9	140.4	142.1	154.5

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-103a. Federal obligations for research, by performer: fiscal years 1991-2001

[Dollars in millions]

Performer	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total	23,968.4	24,490.6	26,890.5	27,411.2	28,434.4	28,259.8	29,365.3	30,922.3	33,527.5	36,329.5	38,688.1
Intramural[1]	6,454.4	6,523.3	7,451.8	7,481.1	7,684.5	7,513.2	7,666.9	7,969.1	8,685.8	9,203.5	9,792.8
Industrial firms excluding FFRDCs	3,406.5	3,451.2	3,923.8	4,063.9	4,698.7	4,269.1	4,392.1	4,632.7	4,579.8	4,888.1	5,118.0
FFRDCs administered by industrial firms	709.6	684.9	799.3	737.2	811.6	696.2	759.6	844.1	879.3	850.1	911.3
Universities & colleges excluding FFRDCs	8,867.5	9,060.7	9,892.3	10,291.7	10,353.8	10,706.6	11,173.2	11,739.0	13,203.8	14,699.1	15,696.1
FFRDCs administered by universities	2,160.9	2,351.8	2,299.4	2,181.1	2,233.6	2,385.0	2,598.9	2,743.0	2,554.1	2,673.6	2,948.4
Nonprofit institutions excluding FFRDCs	1,925.9	2,049.6	2,041.3	2,102.1	2,078.7	2,178.9	2,294.9	2,425.2	2,806.7	3,178.3	3,340.6
FFRDCs administered by nonprofit institutions[2]	170.9	139.9	173.4	178.4	207.2	195.5	217.5	214.5	469.5	450.6	470.4
State and local governments	129.3	109.3	211.8	230.8	221.4	187.4	144.0	240.1	232.4	267.9	287.8
Foreign	143.4	120.0	97.4	144.8	144.8	127.8	118.2	114.5	116.1	118.3	122.7

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-104. Federal obligations for basic research, by performer: fiscal years 1980-1990

[Dollars in millions]

Performer	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6
Intramural[1]	1,182.5	1,301.8	1,465.5	1,689.8	1,861.1	1,923.4	2,018.9	2,046.2	2,050.3	2,313.4	2,294.6
Industrial firms excluding FFRDCs	325.3	292.9	270.9	292.9	377.9	380.1	511.6	467.0	596.9	773.2	887.5
FFRDCs administered by industrial firms	70.4	73.3	87.4	83.0	91.1	122.6	117.6	119.9	133.0	223.9	246.8
Universities & colleges excluding FFRDCs	2,320.3	2,503.2	2,727.1	3,112.3	3,530.8	4,038.7	4,132.1	4,665.6	4,868.3	5,221.4	5,548.2
FFRDCs administered by universities[2]	436.8	490.6	516.7	604.0	668.9	724.2	724.1	906.7	989.8	1,098.1	1,227.3
Nonprofit institutions excluding FFRDCs	279.5	313.1	355.6	409.6	473.6	555.8	572.1	657.7	728.6	838.9	924.1
FFRDCs administered by nonprofit institutions[2]	7.5	8.6	9.0	8.0	8.2	12.4	13.0	13.3	17.7	42.2	59.2
State and local governments	23.9	26.5	24.5	32.1	28.1	30.5	30.9	37.5	42.7	43.6	50.4
Foreign	28.1	31.2	24.9	28.5	27.7	30.9	32.7	28.5	46.3	47.4	47.6

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-104a. Federal obligations for basic research, by performer: fiscal years 1991-2001

[Dollars in millions]

Performer	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total	12,170.8	12,489.9	13,399.1	13,523.5	13,877.0	14,464.0	14,941.9	15,613.0	17,443.7	18,981.7	20,274.4
Intramural[1]	2,391.6	2,337.6	2,661.8	2,497.8	2,693.5	2,676.7	2,688.3	2,918.5	3,255.2	3,482.5	3,650.5
Industrial firms excluding FFRDCs	949.9	920.3	896.3	1,109.6	1,214.2	1,108.8	1,166.7	1,119.4	1,082.8	1,192.0	1,192.8
FFRDCs administered by industrial firms	264.0	247.2	243.6	237.6	239.8	272.8	294.7	326.4	313.4	308.2	325.1
Universities & colleges excluding FFRDCs	6,064.5	6,331.8	6,833.7	6,992.3	6,943.9	7,443.5	7,695.8	7,951.7	9,107.1	10,043.7	10,906.4
FFRDCs administered by universities	1,306.2	1,394.1	1,402.7	1,336.0	1,438.8	1,521.0	1,600.0	1,642.3	1,565.5	1,621.1	1,747.2
Nonprofit institutions excluding FFRDCs	1,015.5	1,097.2	1,164.9	1,132.9	1,148.3	1,234.6	1,289.6	1,397.6	1,650.0	1,871.2	1,980.3
FFRDCs administered by nonprofit institutions[2]	80.8	65.5	71.3	74.4	75.2	76.1	88.4	121.8	354.9	338.1	340.2
State and local governments	49.1	42.4	71.7	75.2	78.7	80.2	68.4	84.9	61.4	66.8	68.7
Foreign	49.1	53.8	53.3	67.6	44.6	50.5	49.9	50.4	53.4	58.1	63.3

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-105. Federal obligations for applied research, by performer: fiscal years 1980-1990

[Dollars in millions]

Performer	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8
Intramural[1]	2,483.8	2,732.4	2,728.7	3,020.4	2,903.6	3,132.7	3,141.5	3,391.5	3,288.1	3,583.5	3,515.2
Industrial firms excluding FFRDCs	1,752.3	1,665.4	1,885.7	1,821.3	1,759.5	1,694.3	1,768.8	1,981.6	2,045.6	2,101.8	2,304.2
FFRDCs administered by industrial firms	240.7	278.1	400.0	439.7	405.4	363.3	364.5	313.6	322.2	380.5	367.5
Universities & colleges excluding FFRDCs	1,378.8	1,416.9	1,318.3	1,355.6	1,498.9	1,687.6	1,751.4	1,974.6	2,154.6	2,571.8	2,588.4
FFRDCs administered by universities[2]	414.3	450.0	540.0	646.1	667.0	697.1	567.6	564.3	575.0	605.4	564.3
Nonprofit institutions excluding FFRDCs	398.9	392.1	387.9	427.3	449.0	489.3	490.8	549.8	571.3	681.0	735.9
FFRDCs administered by nonprofit institutions[2]	64.2	59.1	95.2	77.1	79.1	84.6	74.9	76.5	65.2	67.3	78.4
State and local governments	127.1	102.8	101.4	104.7	60.0	58.9	60.0	52.7	60.4	77.6	76.1
Foreign	63.0	74.8	83.4	101.1	88.8	107.0	129.7	93.4	94.1	94.6	106.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-105a. Federal obligations for applied research, by performer: fiscal years 1991-2001

[Dollars in millions]

Performer	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total	11,797.6	12,000.7	13,491.4	13,887.7	14,557.4	13,795.7	14,423.4	15,309.3	16,083.9	17,347.8	18,413.7
Intramural[1]	4,062.8	4,185.7	4,790.0	4,983.3	4,991.0	4,836.5	4,978.6	5,050.6	5,430.6	5,721.0	6,142.3
Industrial firms excluding FFRDCs	2,456.6	2,530.9	3,027.5	2,954.4	3,484.5	3,160.3	3,225.5	3,513.3	3,497.0	3,696.1	3,925.1
FFRDCs administered by industrial firms	445.6	437.6	555.6	499.6	571.8	423.4	464.9	517.7	565.8	541.9	586.2
Universities & colleges excluding FFRDCs	2,803.0	2,728.9	3,058.6	3,299.4	3,409.9	3,263.1	3,477.4	3,787.3	4,096.7	4,655.3	4,789.8
FFRDCs administered by universities	854.7	957.6	896.8	845.1	794.8	864.0	998.8	1,100.7	988.6	1,052.5	1,201.2
Nonprofit institutions excluding FFRDCs	910.4	952.5	876.4	969.2	930.4	944.3	1,005.3	1,027.7	1,156.7	1,307.1	1,360.4
FFRDCs administered by nonprofit institutions[2]	90.1	74.5	102.2	104.0	132.0	119.4	129.2	92.6	114.6	112.6	130.1
State and local governments	80.2	66.9	140.1	155.5	142.7	107.3	75.5	155.2	171.0	201.2	219.2
Foreign	94.3	66.2	44.1	77.2	100.3	77.4	68.2	64.1	62.8	60.2	59.4

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-106. Federal obligations for development, by performer: fiscal years 1980-1990

[Dollars in millions]

Performer	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1
Intramural[1]	3,966.1	4,391.5	4,946.8	5,871.7	6,807.6	7,889.3	8,374.6	7,975.3	8,776.2	9,127.6	10,039.1
Industrial firms excluding FFRDCs	10,891.5	12,909.6	15,035.6	14,905.5	16,472.9	19,630.5	21,920.7	24,319.6	24,076.7	25,672.9	26,178.4
FFRDCs administered by industrial firms	1,097.0	1,062.6	1,019.1	978.5	1,112.0	1,304.9	1,215.0	1,426.4	1,456.1	1,452.0	1,712.5
Universities & colleges excluding FFRDCs	564.4	545.6	560.0	498.5	517.2	613.5	675.4	697.0	804.8	878.8	1,001.0
FFRDCs administered by universities[2]	682.2	850.4	920.0	1,143.8	1,149.9	1,395.1	1,476.0	1,738.6	1,909.1	1,793.6	1,658.3
Nonprofit institutions excluding FFRDCs	427.1	363.6	348.1	404.7	574.6	654.1	614.1	503.9	383.2	480.0	588.2
FFRDCs administered by nonprofit institutions[2]	370.1	457.5	416.4	496.1	509.8	592.2	463.3	420.8	422.7	412.4	484.0
State and local governments	114.6	92.9	58.4	49.3	42.8	39.9	37.4	58.0	39.0	46.3	87.5
Foreign	120.1	217.5	106.0	109.9	59.2	106.7	133.9	173.4	251.4	777.3	188.1

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-106a. Federal obligations for development, by performer: fiscal years 1991-2001

[Dollars in millions]

Performer	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total	37,326.8	41,102.0	40,423.5	39,824.2	39,752.4	39,393.3	40,461.5	41,178.5	41,813.1	43,140.7	42,838.1
Intramural[1]	8,683.8	9,059.6	9,211.6	8,650.9	9,340.2	9,027.2	9,051.3	9,152.4	9,398.9	9,869.3	9,559.6
Industrial firms excluding FFRDCs	23,014.1	26,293.6	26,295.2	26,390.9	25,537.4	26,104.7	27,027.2	27,365.9	27,321.8	27,927.0	27,908.3
FFRDCs administered by industrial firms	1,458.7	1,432.2	652.1	556.3	390.2	440.7	368.6	344.7	448.8	485.4	474.3
Universities & colleges excluding FFRDCs	1,301.0	1,210.6	1,316.1	1,505.2	1,573.7	1,271.2	1,385.7	1,641.7	1,755.3	1,913.0	2,027.5
FFRDCs administered by universities	1,442.9	1,503.7	1,314.8	1,111.8	1,328.0	1,062.1	1,102.1	1,147.2	1,342.3	1,319.0	1,240.7
Nonprofit institutions excluding FFRDCs	711.5	753.9	770.6	834.8	755.4	707.9	666.7	746.0	802.0	868.8	835.0
FFRDCs administered by nonprofit institutions[2]	508.5	605.7	580.0	557.6	617.9	559.7	603.4	388.5	443.7	447.6	507.7
State and local governments	85.8	74.8	108.5	94.7	95.1	59.3	117.1	207.4	125.1	121.6	122.8
Foreign	120.5	167.9	174.8	122.0	114.4	160.5	139.3	184.6	175.2	189.2	162.1

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-107. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1980-1990

[Dollars in millions]

Field of science and engineering	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all fields	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4
Life sciences, total	4,192.3	4,435.6	4,745.5	5,177.9	5,635.9	6,362.5	6,464.3	7,341.4	7,724.5	8,495.1	8,829.8
Biol & agricultural, total	2,507.6	2,711.8	2,811.8	3,064.4	3,325.0	3,755.3	3,861.3	4,358.5	4,573.4	5,020.0	5,178.4
Biol (excl environmental)	1,830.6	1,996.6	2,079.3	2,305.5	2,563.1	2,885.7	2,993.4	3,502.0	3,681.7	3,983.2	4,144.6
Environmental biology	229.7	220.3	183.5	193.6	250.0	260.3	264.1	289.6	301.0	367.8	342.3
Agricultural	447.2	494.8	549.0	565.2	512.0	609.3	603.8	566.9	590.7	669.0	691.4
Medical sciences, total	1,536.9	1,609.9	1,773.0	1,927.5	2,112.8	2,368.5	2,360.4	2,664.8	2,941.0	3,222.5	3,382.4
Life sciences, n.e.c.	147.9	113.9	160.7	186.1	198.1	238.7	242.6	318.2	210.1	252.6	269.1
Psychology, total	199.0	208.9	218.4	240.9	266.7	327.1	334.0	369.5	389.8	421.7	448.6
Biological aspects	59.9	57.5	59.6	63.2	80.8	91.2	90.1	98.3	105.3	121.8	130.6
Social aspects	94.8	93.5	98.1	104.7	107.8	142.9	143.5	154.5	149.4	149.9	177.5
Psychological sci, n.e.c.	44.3	57.9	60.7	73.0	78.1	93.1	100.4	116.7	135.2	149.9	140.5
Physical sciences, total	2,000.6	2,220.5	2,500.4	2,891.4	2,969.0	3,046.0	3,069.1	3,252.6	3,317.3	3,705.2	3,808.7
Astronomy	285.7	281.0	275.8	357.4	382.3	414.7	468.2	522.2	470.8	541.9	597.2
Chemistry	454.5	486.9	481.2	520.3	606.4	650.4	662.4	680.3	703.1	782.6	761.7
Physics	1,182.5	1,345.6	1,610.5	1,854.6	1,836.4	1,816.0	1,805.9	1,853.6	1,975.3	2,190.8	2,254.9
Physical sciences, n.e.c.	77.9	107.0	132.9	159.2	143.9	164.8	132.6	196.6	168.1	189.9	195.0
Environmental sciences, total	1,261.0	1,121.1	1,148.3	1,251.2	1,275.9	1,403.7	1,481.7	1,511.6	1,607.0	1,773.2	2,174.1
Atmospheric sciences	409.5	373.4	425.8	460.7	434.1	486.0	521.3	552.9	587.8	588.0	773.4
Geological sciences	401.8	396.1	357.6	333.5	359.0	429.0	443.9	441.7	441.6	542.8	661.1
Oceanography	262.1	261.7	261.3	343.5	363.5	398.5	429.7	427.4	460.4	491.9	520.1
Environmental sci, n.e.c.	187.6	89.9	103.6	113.5	119.3	90.2	86.8	89.5	117.1	150.5	219.5
Math & computer sci, total	240.9	278.9	350.1	419.4	440.3	574.9	615.4	640.6	642.9	735.4	840.7
Mathematics	90.9	117.7	128.1	133.5	151.0	183.6	184.5	204.5	217.9	236.1	241.3
Computer sciences	128.6	121.5	170.9	214.6	214.5	280.3	302.4	297.8	292.7	364.6	562.1
Math & computer sci, n.e.c.	21.4	39.7	51.0	71.4	74.8	111.0	128.5	138.3	132.3	134.8	37.3
Engineering, total	2,830.1	3,071.5	3,386.5	3,517.0	3,624.1	3,617.6	3,738.9	3,906.3	3,956.4	4,442.2	4,226.6
Aeronautical	708.1	709.6	741.2	820.6	860.4	738.0	775.6	810.4	801.8	986.8	927.1
Astronautical	302.3	303.9	290.7	321.5	396.8	424.7	526.9	624.6	575.4	677.4	580.8
Chemical	96.3	147.6	95.1	145.0	144.5	254.3	245.8	215.8	258.1	142.2	241.9
Civil	158.8	159.1	201.9	188.5	202.8	216.6	202.9	204.4	214.9	229.8	317.7
Electrical	517.1	556.7	612.2	614.9	630.0	626.8	674.4	786.3	731.1	843.1	640.0
Mechanical	208.0	204.6	201.2	266.4	190.5	267.0	236.5	233.5	240.8	257.4	268.3
Metallurgy & materials	236.2	256.0	309.1	332.5	341.1	439.2	445.0	362.0	456.7	521.0	554.5
Engineering, n.e.c.	603.3	733.9	935.1	827.6	858.0	651.0	631.7	669.3	677.8	784.5	696.3
Social sciences, total	523.8	497.4	385.9	435.3	436.3	460.0	415.5	480.0	485.8	551.0	630.0
Anthropology	17.2	14.5	14.6	12.8	18.6	18.0	13.6	15.2	14.3	13.9	14.4
Economics	192.8	206.7	157.1	165.6	147.3	159.7	131.3	148.5	159.5	166.8	197.2
Political science	12.2	10.8	7.5	11.1	10.8	14.6	11.6	11.3	12.2	13.5	13.1
Sociology	71.4	65.0	52.0	67.8	70.2	66.5	67.0	74.0	81.8	94.1	116.2
Social sciences, n.e.c.	230.3	200.4	154.7	178.0	139.5	201.3	192.0	231.0	218.0	262.8	289.1
Other sciences, n.e.c.	349.6	378.8	287.0	320.4	330.5	341.6	383.3	438.3	526.5	641.6	663.7

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-107a. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1991-2001

[Dollars in millions]

Field of science and engineering	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all fields	23,968.4	24,490.6	26,890.5	27,411.2	28,434.4	28,259.8	29,365.3	30,922.3	33,527.5	36,329.5	38,688.1
Life sciences, total	9,622.0	9,910.5	10,772.1	11,284.3	11,811.0	12,064.3	12,661.3	13,557.6	15,422.5	17,422.5	18,249.2
Biol & agricultural, total	5,597.9	5,633.6	6,059.3	6,103.0	6,402.5	6,629.9	6,544.0	7,073.8	8,047.7	NA	NA
Biol (excl environmental)	4,457.8	4,435.1	4,789.9	4,745.8	4,925.4	5,309.9	5,320.2	5,706.6	6,477.6	NA	NA
Environmental biology	459.7	511.0	556.5	629.9	806.9	704.0	582.5	604.5	720.6	NA	NA
Agricultural	680.3	687.5	712.9	727.2	670.3	616.0	641.3	762.8	849.4	NA	NA
Medical sciences	3,460.3	3,909.9	4,404.4	4,862.1	4,972.2	4,973.4	5,532.7	5,996.3	6,801.2	NA	NA
Life sciences, n.e.c.	563.8	367.0	308.3	319.3	436.3	461.1	584.6	487.4	573.6	NA	NA
Psychology, total	482.4	298.1	550.7	548.4	622.6	525.0	545.4	591.0	632.6	719.9	751.8
Biological aspects	140.2	34.6	37.2	48.1	58.8	62.8	57.8	41.6	18.0	NA	NA
Social aspects	197.5	100.9	134.7	116.8	156.3	83.4	96.7	97.5	66.6	NA	NA
Psychological sci, n.e.c.	144.8	162.6	378.7	383.4	407.5	378.8	390.9	451.9	547.9	NA	NA
Physical sciences, total	4,235.3	4,439.2	4,427.0	4,253.5	4,278.3	3,923.0	4,149.2	4,209.7	4,066.2	4,183.1	4,430.2
Astronomy	631.7	739.1	686.3	747.6	764.5	729.0	774.7	732.2	757.9	NA	NA
Chemistry	828.4	896.2	843.2	874.4	863.5	881.1	845.8	819.0	814.9	NA	NA
Physics	2,460.9	2,578.2	2,638.4	2,443.1	2,451.2	1,991.3	2,067.6	2,131.8	2,221.9	NA	NA
Physical sciences, n.e.c.	314.3	225.7	259.2	188.3	199.2	321.6	461.0	526.7	271.4	NA	NA
Environmental sciences, total	2,149.3	2,207.6	2,608.5	2,838.2	2,854.4	3,019.7	3,045.7	3,062.0	3,095.3	3,102.4	3,243.2
Atmospheric sciences	802.7	767.3	984.1	1,095.0	1,135.6	1,085.7	1,164.3	1,174.4	1,176.5	NA	NA
Geological sciences	728.7	735.7	797.9	838.0	848.3	784.3	691.8	603.3	660.2	NA	NA
Oceanography	398.6	458.9	467.4	496.8	407.3	574.3	597.7	559.8	656.6	NA	NA
Environmental sci, n.e.c.	219.8	245.8	359.2	408.5	463.3	575.4	591.8	724.4	602.0	NA	NA
Math & computer sci, total	903.7	1,160.3	1,225.4	1,301.6	1,579.1	1,571.6	1,671.8	1,836.8	1,980.6	2,178.5	2,517.3
Mathematics	227.6	318.7	290.8	342.3	258.6	254.5	301.6	334.1	345.3	NA	NA
Computer sciences	584.9	771.8	826.1	830.2	1,013.9	1,119.8	1,264.7	1,398.7	1,516.1	NA	NA
Math & computer sci, n.e.c.	91.1	69.9	108.5	129.1	306.6	197.3	105.5	104.0	119.2	NA	NA
Engineering, total	4,944.5	4,977.0	5,499.4	5,479.4	5,708.4	5,680.9	5,690.3	5,895.4	6,263.4	6,548.3	7,088.7
Aeronautical	1,016.2	874.6	1,193.0	1,222.7	1,248.3	1,249.4	1,352.7	1,596.4	1,609.7	NA	NA
Astronautical	653.1	630.4	494.0	499.1	546.5	526.6	596.3	631.1	620.6	NA	NA
Chemical	304.3	297.5	245.5	238.2	246.1	215.1	235.0	190.1	203.2	NA	NA
Civil	305.0	330.2	252.0	277.9	339.4	300.2	275.6	244.1	328.5	NA	NA
Electrical	729.9	759.0	881.5	741.8	756.3	669.7	622.2	639.3	698.7	NA	NA
Mechanical	335.5	337.2	466.9	378.1	412.5	294.0	254.6	249.6	240.4	NA	NA
Metallurgy & materials	710.7	727.2	695.7	851.4	815.3	989.0	860.7	789.1	788.0	NA	NA
Engineering, n.e.c.	889.8	1,020.8	1,270.9	1,270.2	1,344.0	1,437.0	1,493.2	1,555.6	1,774.3	NA	NA
Social sciences, total	727.3	689.7	674.9	647.4	678.7	654.6	696.3	806.1	854.9	901.8	995.9
Anthropology	16.0	14.1	13.7	16.2	21.7	18.3	21.0	18.2	18.3	NA	NA
Economics	187.4	211.6	204.7	193.3	206.5	194.2	205.2	230.5	216.6	NA	NA
Political science	17.0	22.6	29.2	25.4	22.3	16.7	14.1	20.2	20.2	NA	NA
Sociology	184.0	80.7	76.7	68.1	47.8	41.2	25.9	100.8	83.8	NA	NA
Social sciences, n.e.c.	322.9	360.8	350.5	344.4	380.3	384.2	430.2	436.4	516.0	NA	NA
Other sciences, n.e.c.	903.4	808.3	1,132.5	1,058.4	901.8	820.7	905.3	963.7	1,212.1	1,273.0	1,411.8

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

During the Vol. 45 survey cycle, the National Aeronautics and Space Administration made a statistical adjustment to the 1994 and 1995 field of science and engineering values to diminish a computational error introduced by its software.

The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering).

KEY:
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-108. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1980-1990

[Dollars in millions]

Field of science and engineering	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all fields	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6
Life sciences, total	2,054.4	2,223.8	2,526.0	2,891.3	3,287.6	3,786.6	3,858.8	4,361.9	4,501.8	4,915.7	5,177.5
Biol & agricultural, total	1,339.4	1,462.4	1,674.8	1,928.8	2,174.7	2,515.5	2,543.0	2,870.4	2,855.3	3,102.9	3,219.0
Biol (excl environmental)	1,099.9	1,201.7	1,401.2	1,621.9	1,835.8	2,106.3	2,151.5	2,461.5	2,414.9	2,647.2	2,742.2
Environmental biology	86.1	83.3	83.2	92.7	120.8	125.7	125.7	141.0	146.8	157.3	168.3
Agricultural	153.5	177.4	190.4	214.2	218.1	283.5	265.7	267.9	293.7	298.4	308.5
Medical sciences, total	657.0	706.2	793.4	878.9	1,015.3	1,145.4	1,196.6	1,341.0	1,573.2	1,708.4	1,849.6
Life sciences, n.e.c.	58.0	55.3	57.8	83.6	97.7	125.7	119.2	150.6	73.2	104.4	108.9
Psychology, total	84.2	91.0	89.9	92.9	107.9	132.8	133.0	147.1	177.8	187.1	215.1
Biological aspects	30.2	30.5	32.9	31.4	43.7	48.0	47.0	49.3	52.4	61.0	65.3
Social aspects	31.3	30.2	33.7	32.8	33.4	46.9	45.3	45.5	40.9	38.1	60.9
Psychological sci, n.e.c.	22.8	30.2	23.3	28.7	30.8	38.0	40.7	52.3	84.5	88.0	88.8
Physical sciences, total	1,220.6	1,324.9	1,393.8	1,587.2	1,728.0	1,815.2	1,914.4	2,096.0	2,199.6	2,506.5	2,661.5
Astronomy	279.4	274.2	271.1	354.5	379.6	400.7	453.1	504.5	458.5	524.6	579.9
Chemistry	256.9	298.2	312.0	362.2	403.4	425.0	433.4	445.1	470.8	504.6	502.1
Physics	668.2	735.4	790.7	855.1	921.4	959.9	1,003.4	1,072.3	1,205.5	1,395.3	1,474.3
Physical sciences, n.e.c.	16.1	17.1	20.0	15.4	23.6	29.7	24.7	74.2	64.8	81.9	105.1
Environmental sciences, total	522.4	532.8	520.0	580.1	656.7	699.7	749.1	781.0	872.7	1,016.9	1,274.8
Atmospheric sciences	179.0	173.8	163.2	172.6	192.2	209.2	240.4	243.8	280.7	316.4	443.7
Geological sciences	198.3	194.2	177.5	178.3	198.0	250.0	265.5	266.2	267.3	334.9	439.7
Oceanography	130.7	143.3	154.5	195.6	220.1	219.3	224.3	249.8	269.4	293.5	299.7
Environmental sci, n.e.c.	14.3	21.5	24.9	33.5	46.4	21.2	18.9	21.2	55.2	72.1	91.6
Math & computer sci, total	116.3	140.4	165.1	208.1	240.8	260.0	293.4	306.4	313.2	345.8	406.9
Mathematics	66.8	79.2	90.9	100.9	113.9	130.3	142.4	158.4	165.4	167.8	176.3
Computer sciences	46.2	52.2	67.4	90.4	104.8	116.1	131.4	128.5	125.5	159.5	225.2
Math & computer sci, n.e.c.	3.2	9.0	6.8	16.8	22.2	13.6	19.6	19.5	22.4	18.4	5.3
Engineering, total	465.2	526.0	610.5	689.5	845.0	884.2	968.5	989.5	1,006.2	1,183.7	1,101.5
Aeronautical	104.2	113.3	126.5	140.7	225.5	191.5	226.3	237.4	231.0	327.9	269.6
Astronautical	27.2	33.2	44.8	50.4	52.4	41.6	52.5	48.8	48.4	58.9	62.3
Chemical	26.1	31.3	35.2	50.4	55.5	74.4	73.0	77.5	88.6	50.1	75.8
Civil	22.0	23.4	32.0	32.4	41.9	43.6	45.2	45.7	46.1	51.7	47.3
Electrical	70.6	78.5	93.6	95.8	130.4	144.9	156.3	175.4	154.0	173.8	146.9
Mechanical	42.2	47.4	53.1	60.7	64.1	88.2	83.6	87.2	83.5	100.8	91.4
Metallurgy & materials	121.3	138.5	155.9	182.9	187.3	211.9	228.5	209.8	230.1	254.8	260.2
Engineering, n.e.c.	51.6	60.5	69.4	76.2	87.9	88.2	103.2	107.8	124.4	165.7	147.9
Social sciences, total	147.2	137.0	120.2	137.7	132.6	140.7	113.5	129.5	146.8	154.6	146.0
Anthropology	14.2	13.1	13.1	11.2	16.8	15.8	11.2	12.3	12.1	12.1	12.5
Economics	40.0	34.1	39.0	41.0	29.7	34.3	26.3	29.0	34.7	37.7	37.1
Political science	7.4	6.3	4.4	4.6	4.1	5.8	4.1	5.5	5.1	5.4	6.4
Sociology	25.4	22.6	18.7	32.8	33.9	32.4	30.0	34.3	36.8	38.2	24.2
Social sciences, n.e.c.	60.2	60.9	45.1	48.2	48.1	52.4	41.9	48.4	58.1	61.2	65.8
Other sciences, n.e.c.	63.9	65.4	56.1	73.3	68.8	99.4	122.5	130.9	255.5	291.7	302.3

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-108a. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1991-2001

[Dollars in millions]

Field of science and engineering	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all fields	12,170.8	12,489.9	13,399.1	13,523.5	13,877.0	14,464.0	14,941.9	15,613.0	17,443.7	18,981.7	20,274.4
Life sciences, total	5,433.6	5,841.7	6,288.8	6,472.1	6,601.3	6,879.0	7,203.8	7,853.4	9,197.1	10,374.4	10,964.6
Biol & agricultural, total	3,374.9	3,517.6	3,787.8	3,751.9	3,836.5	3,922.4	3,945.1	4,222.3	4,941.6	NA	NA
Biol (excl environmental)	2,868.5	2,981.8	3,222.5	3,139.2	3,248.3	3,387.2	3,391.0	3,653.0	4,236.9	NA	NA
Environmental biology	186.9	201.6	223.2	242.1	220.6	205.7	206.1	196.8	280.2	NA	NA
Agricultural	319.4	334.2	342.2	370.6	367.5	329.5	348.1	372.5	424.5	NA	NA
Medical sciences	1,857.7	2,131.0	2,380.9	2,610.3	2,615.9	2,740.8	3,035.2	3,392.4	3,956.5	NA	NA
Life sciences, n.e.c.	201.0	193.1	120.1	109.9	148.9	215.9	223.4	238.6	299.1	NA	NA
Psychology, total	225.5	122.6	246.8	246.1	278.0	291.5	293.9	312.0	347.3	408.7	425.6
Biological aspects	68.2	14.3	18.1	24.8	31.4	33.5	30.2	27.3	12.2	NA	NA
Social aspects	69.2	16.9	16.0	16.3	22.2	10.1	13.0	12.9	9.9	NA	NA
Psychological sci, n.e.c.	88.1	91.4	212.7	205.0	224.4	248.0	250.7	271.8	325.1	NA	NA
Physical sciences, total	2,881.5	2,951.4	2,907.1	2,826.9	2,864.8	2,862.6	2,976.4	2,941.4	3,089.8	3,217.6	3,401.0
Astronomy	612.3	729.7	663.4	724.8	731.6	708.8	754.2	706.9	718.4	NA	NA
Chemistry	538.7	556.6	543.7	540.3	559.4	550.7	517.8	517.5	554.6	NA	NA
Physics	1,644.9	1,607.5	1,600.6	1,502.3	1,507.4	1,545.6	1,561.7	1,579.8	1,693.8	NA	NA
Physical sciences, n.e.c.	85.5	57.6	99.4	59.6	66.4	57.4	142.6	137.1	122.9	NA	NA
Environmental sciences, total	1,263.5	1,303.6	1,533.5	1,516.5	1,467.5	1,554.0	1,543.5	1,528.7	1,615.7	1,630.6	1,722.3
Atmospheric sciences	449.0	435.2	635.1	698.3	688.2	671.2	679.5	655.2	671.0	NA	NA
Geological sciences	499.0	526.5	555.3	487.8	451.7	390.0	388.3	391.2	412.1	NA	NA
Oceanography	197.5	210.0	207.2	190.2	188.2	309.1	303.5	286.0	383.9	NA	NA
Environmental sci, n.e.c.	118.0	131.9	135.9	140.2	139.3	183.8	172.1	196.4	148.7	NA	NA
Math & computer sci, total	426.1	481.4	511.3	521.7	603.0	639.6	661.4	705.5	734.9	760.8	920.1
Mathematics	164.4	228.2	221.8	247.7	164.0	162.6	238.2	250.7	254.0	NA	NA
Computer sciences	223.5	247.7	284.3	262.3	317.1	376.8	389.5	419.1	438.3	NA	NA
Math & computer sci, n.e.c.	38.2	5.5	5.1	11.8	121.9	100.2	33.6	35.6	42.6	NA	NA
Engineering, total	1,233.7	1,249.8	1,207.4	1,290.4	1,448.9	1,612.1	1,583.0	1,594.4	1,639.7	1,716.9	1,870.3
Aeronautical	256.2	245.1	246.2	275.9	271.0	261.7	269.1	285.2	331.7	NA	NA
Astronautical	69.7	94.4	53.6	59.8	66.3	71.8	69.8	68.0	66.2	NA	NA
Chemical	101.7	105.0	72.8	70.9	66.7	59.8	68.1	52.3	55.2	NA	NA
Civil	59.3	53.4	38.7	38.1	70.1	52.9	45.4	35.9	68.8	NA	NA
Electrical	142.5	165.4	203.1	205.7	204.6	201.5	172.9	213.9	185.6	NA	NA
Mechanical	115.6	113.9	142.6	141.6	164.7	113.2	104.9	106.7	99.6	NA	NA
Metallurgy & materials	294.6	273.6	241.3	330.2	368.5	501.8	462.6	478.2	481.2	NA	NA
Engineering, n.e.c.	194.3	199.2	209.1	168.3	236.9	349.4	390.4	354.3	351.4	NA	NA
Social sciences, total	161.3	139.9	194.1	184.0	206.7	212.5	221.0	224.8	246.5	273.4	299.8
Anthropology	12.7	11.0	10.0	9.7	15.1	12.7	14.8	13.5	13.4	NA	NA
Economics	37.3	39.3	46.0	38.4	44.7	39.4	46.1	41.5	45.3	NA	NA
Political science	7.1	6.4	6.4	4.8	7.1	5.7	4.9	4.6	4.8	NA	NA
Sociology	28.2	10.2	11.1	13.1	14.3	13.3	8.2	23.5	9.2	NA	NA
Social sciences, n.e.c.	75.9	72.9	120.6	118.1	125.5	141.3	147.0	141.7	173.9	NA	NA
Other sciences, n.e.c.	545.6	399.4	510.1	465.6	406.9	412.8	459.0	452.7	572.5	599.3	670.6

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

During the Vol. 45 survey cycle, the National Aeronautics and Space Administration made a statistical adjustment to the 1994 and 1995 field of science and engineering values to diminish a computational error introduced by its software.

The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering).

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n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-109. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1980-1990

[Dollars in millions]

Field of science and engineering	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total, all fields	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8
Life sciences, total	2,137.9	2,211.8	2,219.5	2,286.6	2,348.3	2,575.9	2,605.5	2,979.5	3,222.7	3,579.4	3,652.3
Biol & agricultural, total	1,168.1	1,249.4	1,137.0	1,135.6	1,150.3	1,239.8	1,318.4	1,488.1	1,718.0	1,917.2	1,959.4
Biol (excl environmental)	730.8	794.9	678.1	683.7	727.3	779.3	841.9	1,040.5	1,266.8	1,336.0	1,402.5
Environmental biology	143.6	137.0	100.4	101.0	129.2	134.6	138.3	148.6	154.2	210.5	174.0
Agricultural	293.7	317.4	358.6	351.0	293.8	325.8	338.1	299.1	297.0	370.7	382.9
Medical sciences, total	879.9	903.7	979.6	1,048.5	1,097.5	1,223.1	1,163.8	1,323.8	1,367.8	1,514.1	1,532.7
Life sciences, n.e.c.	89.9	58.7	102.9	102.4	100.4	113.0	123.3	167.6	136.9	148.1	160.2
Psychology, total	114.8	117.9	128.5	147.9	158.8	194.3	201.0	222.4	212.0	234.5	233.5
Biological aspects	29.7	27.0	26.7	31.8	37.1	43.2	43.1	49.1	52.9	60.8	65.3
Social aspects	63.5	63.3	64.4	71.8	74.3	96.0	98.3	108.9	108.4	111.8	116.5
Psychological sci, n.e.c.	21.5	27.7	37.4	44.3	47.4	55.1	59.7	64.4	50.7	61.9	51.7
Physical sciences, total	780.0	895.6	1,106.5	1,304.3	1,241.0	1,230.8	1,154.6	1,156.6	1,117.7	1,198.8	1,147.2
Astronomy	6.3	6.8	4.7	3.0	2.7	14.1	15.1	17.7	12.3	17.3	17.2
Chemistry	197.6	188.7	169.2	158.1	203.0	225.4	229.0	235.2	232.3	278.0	259.6
Physics	514.4	610.2	819.8	999.5	915.0	856.1	802.6	781.4	769.8	795.5	780.6
Physical sciences, n.e.c.	61.8	89.9	112.9	143.7	120.3	135.2	107.9	122.4	103.3	108.0	89.8
Environmental sciences, total	738.6	588.2	628.3	671.2	619.2	704.0	732.6	730.6	734.3	756.3	899.3
Atmospheric sciences	230.5	199.6	262.6	288.1	242.0	276.8	280.9	309.1	307.1	271.6	329.7
Geological sciences	203.4	201.9	180.1	155.2	161.0	179.0	178.4	175.6	174.3	207.8	221.4
Oceanography	131.4	118.4	106.8	147.9	143.4	179.3	205.4	177.6	190.9	198.4	220.4
Environmental sci, n.e.c.	173.3	68.4	78.7	80.0	72.9	69.0	67.9	68.3	61.9	78.5	127.8
Math & computer sci, total	124.7	138.6	185.0	211.3	199.5	314.9	322.0	334.3	329.6	389.7	433.9
Mathematics	24.1	38.6	37.3	32.6	37.1	53.4	42.1	46.1	52.5	68.3	65.0
Computer sciences	82.4	69.3	103.5	124.1	109.7	164.2	171.0	169.3	167.2	205.1	336.9
Math & computer sci, n.e.c.	18.2	30.7	44.3	54.6	52.7	97.3	108.9	118.9	109.9	116.3	31.9
Engineering, total	2,364.9	2,545.4	2,776.1	2,827.5	2,779.1	2,733.4	2,770.4	2,916.8	2,950.2	3,258.4	3,125.1
Aeronautical	604.0	596.3	614.7	679.9	634.9	546.5	549.3	573.0	570.8	658.9	657.5
Astronautical	275.1	270.8	245.9	271.1	344.4	383.2	474.4	575.9	526.9	618.5	518.5
Chemical	70.2	116.3	59.9	94.6	88.9	179.9	172.8	138.3	169.5	92.2	166.0
Civil	136.8	135.8	169.9	156.0	161.0	173.0	157.8	158.7	168.7	178.1	270.4
Electrical	446.6	478.2	518.6	519.1	499.7	481.9	518.1	610.9	577.1	669.3	493.1
Mechanical	165.8	157.3	148.1	205.7	126.3	178.8	153.0	146.2	157.2	156.5	176.9
Metallurgy & materials	114.8	117.5	153.2	149.6	153.7	227.4	216.6	152.2	226.6	266.2	294.3
Engineering, n.e.c.	551.6	673.4	865.7	751.4	770.1	562.8	528.5	561.6	553.3	618.8	548.4
Social sciences, total	376.6	360.5	265.7	297.5	303.8	319.3	302.0	350.5	339.0	396.4	484.0
Anthropology	2.9	1.5	1.5	1.6	1.7	2.1	2.4	2.9	2.2	1.8	1.9
Economics	152.8	172.6	118.2	124.6	117.6	125.4	105.0	119.6	124.8	129.1	160.1
Political science	4.8	4.5	3.2	6.6	6.7	8.9	7.5	5.8	7.1	8.1	6.8
Sociology	46.1	42.4	33.3	35.0	36.3	34.0	37.0	39.6	45.0	55.9	92.0
Social sciences, n.e.c.	170.1	139.5	109.6	129.8	141.4	148.9	150.2	182.6	159.9	201.6	223.3
Other sciences, n.e.c.	285.7	313.5	231.0	247.1	261.7	242.2	260.9	307.4	271.0	350.0	361.5

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-109a. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1991-2001

[Dollars in millions]

Field of science and engineering	1991	1992	1993	1994	1995	1996	1997	1998	1999	Preliminary	
										2000	2001
Total, all fields	11,797.6	12,000.7	13,491.4	13,887.7	14,557.4	13,795.7	14,423.4	15,309.3	16,083.9	17,347.8	18,413.7
Life sciences, total	4,188.4	4,068.8	4,483.3	4,812.2	5,209.8	5,185.3	5,457.6	5,704.2	6,225.3	7,048.1	7,284.6
Biol & agricultural, total	2,223.0	2,116.0	2,271.5	2,351.1	2,566.0	2,707.6	2,598.9	2,851.5	3,106.1	NA	NA
Biol (excl environmental)	1,589.3	1,453.2	1,567.4	1,606.6	1,677.1	1,922.8	1,929.2	2,053.6	2,240.7	NA	NA
Environmental biology	272.8	309.4	333.3	387.8	586.2	498.3	376.4	407.6	440.4	NA	NA
Agricultural	360.9	353.4	370.8	356.7	302.8	286.5	293.2	390.3	424.9	NA	NA
Medical sciences	1,602.6	1,778.9	2,023.5	2,251.8	2,356.3	2,232.6	2,497.6	2,603.9	2,844.7	NA	NA
Life sciences, n.e.c.	362.9	173.9	188.2	209.3	287.4	245.2	361.1	248.8	274.6	NA	NA
Psychology, total	256.9	175.6	303.9	302.2	344.6	233.5	251.5	279.0	285.3	311.2	326.2
Biological aspects	72.0	20.3	19.1	23.3	27.4	29.3	27.6	14.3	5.8	NA	NA
Social aspects	128.2	84.1	118.7	100.5	134.1	73.4	83.7	84.6	56.7	NA	NA
Psychological sci, n.e.c.	56.7	71.2	166.1	178.4	183.1	130.8	140.2	180.1	222.8	NA	NA
Physical sciences, total	1,353.9	1,487.7	1,519.8	1,426.5	1,413.5	1,060.4	1,172.8	1,268.3	976.4	965.5	1,029.1
Astronomy	19.3	9.4	22.8	22.8	32.9	20.2	20.6	25.2	39.4	NA	NA
Chemistry	289.7	339.6	299.5	334.2	304.1	330.4	327.9	301.5	260.3	NA	NA
Physics	816.0	970.7	1,037.7	940.9	943.8	445.7	505.9	552.0	528.1	NA	NA
Physical sciences, n.e.c.	228.9	168.1	159.8	128.7	132.7	264.2	318.4	389.6	148.5	NA	NA
Environmental sciences, total	886.3	904.0	1,075.0	1,321.7	1,387.0	1,465.7	1,502.2	1,533.2	1,479.5	1,471.8	1,521.0
Atmospheric sciences	353.7	332.0	349.0	396.7	447.3	414.6	484.8	519.2	505.5	NA	NA
Geological sciences	229.7	209.2	242.6	350.1	396.6	394.3	303.5	212.1	248.1	NA	NA
Oceanography	201.0	248.9	260.2	306.6	219.1	265.2	294.2	273.8	272.7	NA	NA
Environmental sci, n.e.c.	101.7	113.8	223.3	268.3	324.0	391.7	419.7	528.1	453.3	NA	NA
Math & computer sci, total	477.6	678.9	714.1	779.9	976.1	932.0	1,010.5	1,131.4	1,245.7	1,417.7	1,597.2
Mathematics	63.2	90.5	68.9	94.7	94.6	91.8	63.4	83.3	91.3	NA	NA
Computer sciences	361.4	524.0	541.8	567.9	696.8	743.1	875.1	979.6	1,077.8	NA	NA
Math & computer sci, n.e.c.	52.9	64.3	103.4	117.3	184.7	97.1	71.9	68.4	76.6	NA	NA
Engineering, total	3,710.8	3,727.1	4,292.0	4,189.0	4,259.5	4,068.9	4,107.3	4,301.0	4,623.7	4,831.4	5,218.3
Aeronautical	760.0	629.5	946.8	946.8	977.2	987.6	1,083.7	1,311.2	1,278.0	NA	NA
Astronautical	583.4	536.0	440.4	439.3	480.2	454.7	526.5	563.2	554.4	NA	NA
Chemical	202.6	192.5	172.7	167.3	179.4	155.4	166.9	137.9	148.0	NA	NA
Civil	245.7	276.9	213.3	239.8	269.3	247.3	230.2	208.3	259.7	NA	NA
Electrical	587.4	593.6	678.4	536.1	551.7	468.3	449.3	425.4	513.1	NA	NA
Mechanical	220.0	223.4	324.3	236.5	247.8	180.8	149.7	142.9	140.8	NA	NA
Metallurgy & materials	416.1	453.6	454.3	521.2	446.9	487.2	398.1	310.9	306.9	NA	NA
Engineering, n.e.c.	695.4	821.6	1,061.7	1,102.0	1,107.1	1,087.6	1,102.8	1,201.3	1,422.9	NA	NA
Social sciences, total	566.0	549.8	480.8	463.3	472.0	442.1	475.3	581.3	608.3	628.4	696.0
Anthropology	3.3	3.1	3.7	6.6	6.6	5.6	6.2	4.7	4.9	NA	NA
Economics	150.1	172.3	158.7	154.9	161.8	154.8	159.1	188.9	171.2	NA	NA
Political science	10.0	16.1	22.8	20.6	15.2	10.9	9.2	15.6	15.4	NA	NA
Sociology	155.7	70.5	65.6	55.0	33.5	27.9	17.7	77.4	74.7	NA	NA
Social sciences, n.e.c.	246.9	287.9	229.9	226.2	254.9	242.8	283.2	294.8	342.1	NA	NA
Other sciences, n.e.c.	357.8	408.8	622.4	592.8	494.9	407.9	446.3	510.9	639.6	673.7	741.2

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

During the Vol. 45 survey cycle, the National Aeronautics and Space Administration made a statistical adjustment to the 1994 and 1995 field of science and engineering values to diminish a computational error introduced by its software.

The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering).

KEY:

NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-110. Federal obligations for research and development for selected agencies, by State: fiscal years 1980-1990

[Dollars in millions]

State	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	28,627.3	31,929.6	35,361.6	37,627.8	41,148.5	47,214.8	50,310.2	54,067.4	55,471.0	59,485.0	62,105.2
Alabama	455.7	493.5	561.5	671.7	792.6	896.6	1,188.2	1,346.4	1,363.7	1,646.7	1,805.4
Alaska	42.5	51.8	40.0	40.4	47.7	51.5	49.4	48.8	50.5	71.3	90.7
Arizona	334.6	367.7	264.5	469.3	383.9	458.2	398.1	414.9	369.4	501.2	591.7
Arkansas	30.0	31.2	43.5	31.4	35.0	39.7	40.5	52.3	56.4	57.0	85.7
California	6,097.7	7,049.7	8,888.3	8,194.9	8,995.8	10,771.8	11,512.3	13,672.2	14,895.9	15,919.4	16,249.3
Colorado	573.7	632.8	556.6	436.2	531.6	629.2	1,636.4	1,516.3	1,408.4	1,618.1	1,888.3
Connecticut	470.3	485.0	439.6	743.3	675.9	742.8	577.3	672.2	619.5	596.7	509.8
Delaware	20.8	25.9	34.6	20.4	63.7	34.7	30.2	32.3	36.0	31.9	28.3
District of Columbia	807.0	921.0	954.6	1,196.1	1,796.0	2,077.7	2,324.0	2,209.2	2,925.3	1,914.9	1,593.1
Florida	1,120.8	1,373.7	1,776.4	1,276.0	1,138.1	1,205.2	1,448.0	2,297.3	2,133.4	2,269.8	2,343.4
Georgia	169.8	195.0	217.3	237.2	245.5	291.8	250.5	352.1	350.4	392.5	364.1
Hawaii	42.6	49.9	44.5	71.4	52.9	58.2	54.7	63.9	82.2	97.4	100.0
Idaho	147.7	119.5	127.0	223.4	195.2	259.7	266.6	232.7	250.1	195.9	326.1
Illinois	599.9	572.6	543.0	567.5	675.6	772.8	745.0	827.3	850.7	909.1	957.2
Indiana	162.4	170.1	186.2	213.6	236.0	227.7	295.1	339.4	312.1	392.5	363.6
Iowa	121.7	147.4	136.3	95.2	134.5	150.3	224.3	162.4	197.1	190.9	186.7
Kansas	353.6	471.0	637.7	97.4	101.9	138.1	112.7	94.2	126.7	128.8	116.4
Kentucky	107.9	101.0	97.2	93.1	56.5	69.2	59.1	61.9	68.5	73.0	96.5
Louisiana	196.3	331.8	236.8	186.6	129.7	118.8	92.4	107.4	101.3	179.6	121.2
Maine	25.9	24.4	23.9	29.3	38.1	36.7	35.6	178.6	39.8	67.7	39.7
Maryland	2,465.0	2,585.1	2,850.2	3,412.4	3,917.9	4,371.6	4,512.5	4,036.3	4,355.3	4,849.0	5,332.1
Massachusetts	2,047.7	2,407.1	2,775.2	2,559.3	2,882.6	3,276.7	3,240.3	3,910.8	2,702.0	2,882.5	2,982.8
Michigan	377.5	357.2	376.7	412.5	479.4	502.1	460.5	463.3	417.5	686.2	810.8
Minnesota	261.6	309.0	378.6	448.2	636.8	718.7	515.4	506.6	576.8	597.3	529.8
Mississippi	109.3	125.5	125.7	185.8	145.5	172.4	143.4	184.4	185.1	198.7	471.7
Missouri	801.6	820.4	911.3	576.8	659.5	694.2	677.8	614.7	637.6	1,241.9	1,064.3
Montana	45.7	45.4	42.7	35.0	26.6	26.0	26.4	30.1	35.5	36.2	30.9
Nebraska	31.6	31.7	32.0	42.3	33.0	34.6	41.1	48.9	52.1	51.2	76.4
Nevada	214.5	263.0	376.3	647.1	440.5	490.4	462.6	462.0	443.3	427.5	484.7
New Hampshire	50.2	54.8	50.8	76.8	116.4	130.3	136.0	83.6	60.8	98.0	145.1
New Jersey	729.4	775.4	887.9	1,293.4	1,550.0	1,791.8	1,781.4	1,114.9	1,209.3	1,320.4	1,601.6
New Mexico	954.2	1,224.1	1,322.6	1,804.9	2,104.8	2,368.6	2,500.0	1,998.2	2,296.1	2,220.4	2,311.3
New York	1,468.8	1,557.7	1,692.5	2,523.2	2,493.4	3,128.4	3,163.5	2,941.8	2,688.7	2,904.1	2,960.8
North Carolina	227.7	259.8	272.7	312.5	378.3	485.7	497.7	583.8	625.0	562.8	618.6
North Dakota	38.7	40.1	36.5	27.2	37.8	32.7	27.2	29.4	32.5	33.3	53.1
Ohio	1,054.7	1,117.2	1,024.8	1,170.1	1,366.5	1,520.5	1,591.7	1,862.9	1,865.2	1,938.8	2,088.5
Oklahoma	94.5	82.4	65.6	67.9	65.5	81.3	69.8	99.4	103.7	117.6	162.6
Oregon	97.9	105.6	106.3	108.0	137.8	151.6	127.6	133.9	170.3	168.4	175.6
Pennsylvania	1,059.4	1,082.9	1,131.5	1,173.3	1,142.2	1,329.6	1,301.3	1,681.9	1,731.6	1,961.9	2,074.6
Rhode Island	149.9	182.5	242.1	267.5	306.1	334.3	392.7	365.4	335.6	314.1	391.1
South Carolina	87.5	96.1	98.7	104.6	119.8	119.9	122.5	123.7	148.7	222.6	230.9
South Dakota	9.9	10.2	19.0	12.4	14.0	14.4	14.6	12.8	13.1	15.0	15.7
Tennessee	722.9	883.6	702.3	435.5	546.7	556.3	591.3	732.0	567.2	576.0	825.0
Texas	908.6	1,031.7	1,054.3	1,412.6	1,473.8	1,664.6	1,912.0	2,261.3	2,514.9	3,189.2	3,496.8
Utah	243.9	305.7	287.9	268.9	232.4	250.9	274.6	427.3	462.0	517.8	437.7
Vermont	36.6	18.7	35.7	23.7	33.8	36.1	41.1	39.6	55.9	60.1	42.5
Virginia	1,059.3	1,066.4	1,268.1	2,286.1	2,247.2	2,472.4	2,810.0	2,292.5	2,729.1	2,778.0	2,733.5
Washington	951.8	1,047.5	1,038.9	709.3	881.8	1,036.5	1,153.9	1,878.8	1,765.6	1,766.2	1,567.0
West Virginia	152.0	151.2	91.0	82.5	73.3	66.5	88.7	115.8	113.4	104.0	116.6
Wisconsin	121.7	132.2	129.4	142.4	166.0	200.8	181.9	204.8	223.2	263.5	271.7
Wyoming	53.9	58.2	25.4	28.4	34.0	25.1	14.5	23.5	29.0	38.5	57.4
Outlying areas	45.3	38.9	40.7	32.0	44.9	62.8	36.8	42.9	33.0	45.7	54.9
Offices abroad	73.5	47.2	59.0	51.0	34.6	35.9	59.2	78.2	54.2	43.4	31.7

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-110a. Federal obligations for research and development for selected agencies, by State: fiscal years 1991-1999

[Dollars in millions]

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State	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	59,865.4	64,089.7	65,743.8	65,820.1	66,700.1	66,292.4	68,510.2	70,710.4	73,798.2
Alabama	1,863.2	2,151.7	2,149.4	1,819.2	1,931.3	2,178.8	2,213.7	2,013.3	1,807.0
Alaska	102.7	93.0	92.7	157.3	96.9	93.3	99.9	107.2	115.0
Arizona	516.8	638.2	535.3	800.2	902.3	706.7	732.1	993.5	1,116.9
Arkansas	85.9	68.8	79.2	88.9	97.7	148.2	95.3	97.4	106.4
California	14,488.3	15,999.1	14,883.7	11,250.6	12,600.2	12,658.1	13,730.9	12,222.6	15,600.1
Colorado	2,694.2	1,479.2	1,343.4	1,356.4	1,049.2	1,277.6	1,340.2	1,336.3	1,438.7
Connecticut	672.7	578.3	522.2	733.5	900.7	798.9	846.5	699.4	655.2
Delaware	41.8	43.1	56.2	50.4	57.7	64.9	49.0	45.2	52.3
District of Columbia	1,943.7	2,185.2	2,488.8	2,483.6	2,755.4	2,574.1	2,232.3	2,229.8	2,451.6
Florida	2,181.1	2,832.3	2,775.3	2,906.7	2,391.8	2,957.9	3,326.4	2,754.9	2,284.4
Georgia	466.5	2,512.6	3,035.3	5,546.4	4,366.0	4,137.8	3,919.9	3,443.9	2,023.2
Hawaii	112.6	150.7	113.0	140.3	139.3	147.6	150.7	164.5	198.8
Idaho	279.1	299.5	303.7	227.8	211.0	244.6	205.7	212.7	200.7
Illinois	959.4	921.9	963.8	1,088.6	1,107.4	1,094.3	1,140.2	1,160.1	1,316.1
Indiana	378.7	367.0	513.6	403.6	426.3	439.8	410.4	377.7	413.9
Iowa	209.8	194.7	215.8	223.8	212.1	213.4	228.2	235.8	264.1
Kansas	83.6	91.2	87.9	84.8	120.4	212.0	255.5	154.8	191.6
Kentucky	122.4	71.7	86.7	90.1	73.1	78.6	91.3	216.7	146.8
Louisiana	163.6	169.6	152.6	210.5	170.1	228.7	211.0	223.6	219.2
Maine	57.1	60.6	65.2	82.1	53.1	56.7	68.7	105.7	150.6
Maryland	5,570.7	5,779.7	7,238.5	6,659.5	7,343.7	6,730.7	7,328.8	7,966.8	8,094.4
Massachusetts	3,146.4	3,227.9	3,551.7	3,201.8	3,337.8	3,192.1	3,437.5	3,113.8	3,129.4
Michigan	772.6	876.3	878.0	771.0	683.2	707.9	735.1	755.9	839.8
Minnesota	455.7	456.4	445.5	475.1	570.2	679.5	609.4	806.1	885.1
Mississippi	230.6	255.7	259.8	255.9	209.7	250.6	289.8	280.4	351.6
Missouri	587.9	733.5	726.3	2,272.6	1,606.2	1,267.8	1,130.1	933.7	928.7
Montana	45.8	71.5	69.1	57.0	63.8	63.0	79.3	81.1	95.4
Nebraska	76.1	71.1	78.5	86.5	84.7	88.5	83.0	85.0	94.1
Nevada	496.0	465.8	406.2	347.7	368.9	253.2	295.0	294.7	279.1
New Hampshire	196.3	156.1	237.6	218.9	213.2	268.5	278.7	269.5	291.7
New Jersey	1,698.2	1,646.8	1,422.8	1,385.7	1,297.7	1,272.6	1,318.8	1,459.6	2,661.2
New Mexico	2,018.7	2,211.3	2,309.6	1,894.1	1,959.9	1,955.0	1,933.1	1,892.1	2,068.3
New York	3,086.3	3,058.7	2,538.0	2,678.7	2,585.9	2,504.9	2,471.0	2,560.5	2,689.0
North Carolina	673.8	700.7	719.1	734.3	831.6	821.5	900.3	922.7	1,007.5
North Dakota	43.7	54.2	50.3	49.6	47.4	46.2	53.0	52.1	59.9
Ohio	1,729.9	1,863.4	1,921.7	1,736.4	1,810.0	1,681.7	1,879.8	5,563.0	3,687.9
Oklahoma	131.5	126.1	117.9	142.1	158.7	138.3	160.4	176.2	165.8
Oregon	216.5	226.5	229.4	279.2	283.4	308.2	319.6	348.6	408.1
Pennsylvania	2,125.6	1,794.4	2,566.5	1,983.4	2,394.2	1,921.2	1,893.7	1,886.5	1,907.1
Rhode Island	433.8	386.3	495.6	433.8	514.6	583.2	403.8	385.8	391.7
South Carolina	250.4	172.1	173.2	198.5	173.2	186.7	166.6	188.7	215.9
South Dakota	22.5	23.9	26.9	26.5	26.5	35.0	42.0	46.0	39.0
Tennessee	732.2	666.0	674.4	671.3	582.5	558.6	566.2	621.2	684.7
Texas	2,321.4	2,873.0	2,546.2	3,654.3	4,068.9	3,493.5	3,640.2	4,112.5	3,853.3
Utah	429.1	314.0	298.8	324.9	368.8	351.7	319.9	393.4	305.0
Vermont	56.1	51.3	62.1	48.5	53.0	47.1	49.9	57.7	61.7
Virginia	2,909.0	3,231.3	3,402.6	3,726.9	3,392.2	4,576.3	4,849.8	4,671.2	5,750.4
Washington	1,241.1	900.5	878.1	963.8	1,131.6	1,152.9	1,226.2	1,246.9	1,306.8
West Virginia	177.9	166.4	206.2	212.9	287.9	254.4	193.1	243.3	227.0
Wisconsin	294.5	307.7	350.8	358.3	338.5	331.4	332.2	333.0	377.8

See explanatory information, if any, and SOURCE at end of table.

Table C-110a. Federal obligations for research and development for selected agencies, by State: fiscal years 1991-1999

[Dollars in millions]

Page 2 of 2

State	1991	1992	1993	1994	1995	1996	1997	1998	1999
Wyoming	29.8	41.4	48.2	36.8	35.4	37.5	28.4	33.5	35.2
Outlying areas	221.0	246.9	332.7	166.3	166.5	172.6	93.3	115.7	133.1
Puerto Rico	NA	NA	NA	50.5	46.7	51.6	58.9	65.7	72.7
Other Areas	NA	NA	NA	115.8	119.8	121.0	34.3	50.0	60.4
Offices abroad	21.0	24.4	17.8	23.1	48.0	48.5	54.6	18.2	19.8

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-111. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1980-1990

[Dollars in millions]

State	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	1,533.1	1,454.4	1,380.1	1,280.9	1,770.6	1,774.7	1,482.5	1,793.8	2,025.1	2,144.3	2,230.1
Alabama	47.9	16.5	5.8	6.0	26.4	41.4	41.2	42.8	51.8	47.2	109.7
Alaska	.1	-	-	21.3	.1	12.9	.0	.0	6.4	.0	11.1
Arizona	1.8	.4	.4	5.4	3.6	2.9	1.7	19.6	21.8	18.1	2.5
Arkansas	.7	.7	1.0	1.5	.5	.5	.9	.5	.4	3.1	2.2
California	377.4	355.4	334.6	368.4	316.8	404.2	323.5	290.7	429.0	446.7	459.0
Colorado	35.6	26.9	16.6	43.9	52.3	32.4	16.3	12.8	53.5	62.5	32.3
Connecticut	1.0	9.2	25.1	5.5	5.2	8.4	1.2	.4	1.0	1.4	1.8
Delaware	.7	1.6	.1	.4	.6	.4	.4	.4	1.3	.2	-
District of Columbia	14.3	31.7	33.6	24.6	62.4	92.5	28.0	24.1	15.4	17.1	7.4
Florida	46.7	25.5	31.8	37.2	91.2	42.8	53.2	64.6	86.0	100.0	68.3
Georgia	.6	1.6	1.5	2.1	3.8	2.6	15.6	23.1	2.7	10.8	3.6
Hawaii	.2	.7	.1	1.6	.6	.9	.6	.6	6.9	.4	1.4
Idaho	45.1	11.9	21.4	19.7	11.9	8.3	24.7	17.8	39.6	12.0	30.3
Illinois	71.5	74.1	74.3	80.3	81.2	110.1	96.6	94.3	76.7	94.9	116.3
Indiana	.7	.9	.6	1.3	2.8	4.5	.5	5.8	1.9	1.5	1.3
Iowa	2.9	2.1	2.2	2.7	3.5	1.4	3.3	22.7	3.8	6.2	10.4
Kansas	.1	.1	.1	.2	.3	2.3	41.0	49.8	.1	1.6	3.1
Kentucky	-	4.3	1.4	.4	.3	.3	.3	1.7	.1	.5	.7
Louisiana	12.6	14.1	22.2	2.4	2.6	2.0	2.2	2.5	31.9	47.2	33.6
Maine	-	-	-	-	-	-	-	-	.3	.1	.7
Maryland	53.3	52.3	82.2	80.8	180.1	145.4	78.6	109.8	79.2	120.1	178.9
Massachusetts	20.4	35.7	23.3	29.4	62.8	66.1	17.7	36.3	94.2	54.7	78.2
Michigan	8.3	9.5	7.8	1.1	6.4	5.1	1.2	1.4	4.4	4.6	6.6
Minnesota	.3	.5	.4	.8	3.1	.8	1.1	.4	.7	1.8	1.1
Mississippi	6.6	3.4	5.9	6.4	13.7	12.6	13.5	39.1	19.1	41.1	47.4
Missouri	40.9	1.8	5.7	6.0	3.9	3.7	4.7	4.8	2.7	3.7	1.9
Montana	3.7	.1	.1	.2	.2	.2	.2	.2	.2	.2	.5
Nebraska	2.1	.6	.7	.5	.7	.4	7.3	1.4	4.1	2.8	4.1
Nevada	22.4	82.9	30.0	33.0	108.4	155.2	69.9	87.0	103.3	69.3	61.1
New Hampshire	-	7.7	.1	.7	.1	.4	.3	.2	-	.2	.3
New Jersey	60.5	55.7	57.0	42.0	52.7	40.1	37.6	39.8	52.6	46.8	51.3
New Mexico	169.5	119.3	196.6	191.8	102.3	243.7	192.0	256.6	231.4	239.6	197.9
New York	91.4	85.1	65.0	77.0	175.0	75.3	105.0	113.4	115.3	101.6	100.6
North Carolina	8.2	1.2	1.4	4.1	3.6	10.4	2.2	3.4	.9	4.3	3.4
North Dakota	4.1	1.4	1.2	.9	.9	1.3	8.8	.8	9.2	6.0	7.4
Ohio	40.3	65.2	23.7	7.5	49.6	46.5	19.2	58.1	68.5	69.8	56.3
Oklahoma	3.2	2.7	1.2	1.3	.9	1.7	2.3	.9	10.7	4.5	1.5
Oregon	3.9	1.0	.1	.2	3.4	1.2	12.0	24.7	8.6	30.1	12.3
Pennsylvania	35.5	95.2	51.1	19.2	20.1	18.7	19.0	41.4	56.3	79.0	36.0
Rhode Island	2.6	1.6	2.1	1.9	.7	31.6	5.5	6.4	2.0	1.6	.8
South Carolina	3.1	18.8	65.2	49.6	146.4	7.5	5.7	19.6	8.2	8.9	3.7
South Dakota	3.1	.7	.9	.2	.1	.1	-	.1	.6	.3	1.7
Tennessee	80.1	85.5	65.2	27.3	69.9	33.8	30.8	29.3	57.2	58.8	62.4
Texas	14.2	13.9	10.2	4.7	9.6	19.4	79.7	75.1	40.7	97.6	210.6
Utah	1.9	1.5	3.1	.5	2.0	2.4	13.6	14.2	6.8	12.1	2.5
Vermont	.0	-	.0	.0	.0	0	.0	1.0	8.0	1.4	.4
Virginia	41.5	33.9	21.1	29.4	52.2	26.7	45.5	89.4	105.5	127.4	128.7
Washington	128.2	89.0	80.8	12.0	13.6	32.7	26.4	24.8	31.2	35.5	44.2
West Virginia	12.9	3.7	1.1	23.3	4.8	11.4	10.2	16.5	23.2	26.7	12.4
Wisconsin	2.5	3.0	1.0	1.9	10.2	5.6	2.7	4.0	2.0	4.0	4.4
Wyoming	4.3	2.0	1.2	.1	.3	.1	.1	.3	.2	.1	.2
Outlying areas	2.9	.7	.5	.2	3.3	1.4	13.9	18.2	46.5	1.5	14.9
Offices abroad	1.1	1.3	1.4	1.7	3.5	2.3	4.5	1.0	.9	16.8	.3

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

Table C-111a. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1991-1999

[Dollars in millions]

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State	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	2,807.0	2,962.9	3,054.5	2,196.2	2,210.8	1,736.6	1,891.1	1,809.8	2,042.3
Alabama	165.0	346.1	368.2	94.1	44.1	48.9	43.4	38.6	66.6
Alaska	.2	.8	1.0	88.0	1.4	.2	3.0	.0	0
Arizona	16.4	7.9	16.9	20.8	42.7	3.0	1.9	7.5	1.1
Arkansas	5.3	4.4	3.3	3.9	3.9	12.5	14.1	18.5	3.0
California	377.8	356.1	469.6	209.5	414.0	341.2	418.9	426.4	467.7
Colorado	50.7	55.6	30.0	36.9	31.2	28.4	52.6	63.3	43.2
Connecticut	2.6	2.6	14.4	3.8	5.2	3.6	5.2	2.6	2.3
Delaware	-	.1	2.1	1.1	1.9	2.0	2.4	.8	1.1
District of Columbia	16.3	17.8	13.3	11.2	3.0	4.6	7.0	13.2	53.7
Florida	132.1	143.1	73.5	101.7	40.6	65.3	66.1	66.4	56.2
Georgia	6.0	6.4	3.5	5.3	12.4	4.6	5.2	3.8	8.5
Hawaii	9.2	6.5	19.3	14.3	.5	1.7	3.0	1.5	9.3
Idaho	46.0	39.6	27.4	12.5	8.9	19.2	26.2	11.5	8.2
Illinois	319.7	183.9	201.6	208.5	190.0	147.3	134.3	152.6	151.5
Indiana	5.0	8.4	22.6	4.1	4.8	15.2	7.9	3.1	6.7
Iowa	26.1	5.2	7.9	10.1	15.5	10.1	8.9	7.2	6.2
Kansas	5.2	2.5	10.1	10.6	1.2	1.5	1.4	.6	4.0
Kentucky	1.6	.0	.0	3.9	4.7	2.4	.4	.0	.1
Louisiana	26.1	26.2	29.5	21.0	21.5	26.5	18.6	30.4	28.8
Maine	.7	1.5	1.0	1.9	.7	.2	.3	1.6	1.5
Maryland	235.9	229.7	264.6	196.2	390.3	240.2	299.6	304.2	302.2
Massachusetts	32.5	20.2	22.3	15.8	23.1	14.1	12.1	10.7	20.3
Michigan	3.0	9.1	21.7	4.5	3.7	6.3	5.0	3.0	5.9
Minnesota	2.1	2.5	3.0	17.2	5.1	6.3	2.6	3.5	7.2
Mississippi	50.8	41.6	42.2	31.9	36.5	32.8	38.8	47.6	26.8
Missouri	6.5	1.7	1.5	4.7	4.6	4.4	5.7	4.0	1.8
Montana	1.6	2.7	1.6	3.6	4.9	5.8	9.6	2.0	1.4
Nebraska	6.0	5.7	1.0	1.0	2.3	1.0	.8	.9	.9
Nevada	57.7	59.7	50.2	26.9	38.5	16.1	1.0	2.9	14.7
New Hampshire	.3	4.0	.8	.3	.0	.6	2.3	.3	.5
New Jersey	30.0	39.0	53.2	45.3	34.9	26.7	29.9	32.1	30.8
New Mexico	175.5	164.7	181.4	152.6	133.8	77.5	124.8	113.9	99.8
New York	107.2	194.5	177.7	186.1	159.1	164.6	152.2	122.1	[illegible]9.0
North Carolina	7.4	6.8	36.6	40.0	25.7	20.5	27.4	30.4	38.0
North Dakota	9.0	7.4	5.5	5.8	4.9	1.5	3.7	3.2	2.3
Ohio	115.4	122.2	64.1	128.1	147.5	67.5	49.7	91.2	108.1
Oklahoma	3.3	4.1	1.0	1.9	2.8	3.2	6.7	2.6	7.8
Oregon	3.3	1.8	13.8	6.5	5.2	8.1	5.9	3.2	8.9
Pennsylvania	89.5	52.0	95.7	72.2	35.4	51.3	40.8	17.9	28.0
Rhode Island	14.3	1.9	.6	.6	7.3	3.9	4.6	9.7	15.4
South Carolina	31.9	4.1	4.9	14.7	2.7	2.2	10.3	1.0	18.5
South Dakota	2.0	1.5	1.0	5.6	4.3	3.0	.4	.6	.2
Tennessee	63.2	48.1	29.5	77.4	37.1	22.9	38.7	28.8	135.4
Texas	218.0	465.7	429.1	56.6	84.2	56.5	62.8	35.8	44.1
Utah	3.5	1.5	3.5	6.7	4.6	2.6	2.8	1.5	1.2
Vermont	.8	.0	.1	.6	.0	2.2	.5	.1	.5
Virginia	175.5	172.4	131.0	126.6	81.1	69.7	56.6	53.7	61.3
Washington	34.5	54.3	71.6	71.5	64.3	71.8	64.8	12.1	14.9
West Virginia	89.4	9.7	8.4	4.8	5.4	2.6	2.8	12.6	25.0
Wisconsin	13.0	10.2	8.0	24.6	9.6	3.0	2.0	1.1	3.2

See explanatory information, if any, and SOURCE at end of table.

Table C-111a. Federal obligations for R&D plant for selected agencies, by State: fiscal years 1991-1999

[Dollars in millions]

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State	1991	1992	1993	1994	1995	1996	1997	1998	1999
Wyoming	0.7	1.8	0.6	1.8	1.5	0.5	0.6	0.7	0.3
Outlying areas	11.0	6.9	13.1	.5	1.4	8.3	4.3	3.1	7.5
Puerto Rico	NA	NA	NA	.4	.3	.3	.4	2.2	1.3
Other Areas	NA	NA	NA	-	1.1	8.1	3.9	.9	6.2
Offices abroad	.5	.6	.6	.7	1.3	.5	.3	3.9	.5

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY:

- = Amount less than 50 thousand dollars

NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

APPENDIX A.

AGENCIES INCLUDED IN THIS SURVEY, VOLUMES 30 TO 49

LIST OF TABLES

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A.1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 30–39 303

A.2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 40–49 308

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 30–39

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Agency	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	X	X	X	X	X	X	X	X	X	X
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	X
Agricultural Research Service	N	X	X	X	X	X	X	X	X	X
Agricultural Stabilization & Conservation Service	O	O	O	O	O	O	O	O	O	O
Animal & Plant Health Inspection Service	O	O	O	O	O	O	X	X	X	X
Cooperative State Research, Education, & Extension Service	N	X	X	X	X	X	X	X	X	X
Economic Research Service	N	X	X	X	X	X	X	X	X	X
Economics, Statistics, & Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics & Statistics Service	X	N	N	N	N	N	N	N	N	N
Food Safety Inspection Service	N	O	O	O	O	O	O	O	O	O
Foreign Agricultural Service	N	N	N	N	O	O	O	O	O	O
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers & Stockyards Administration	O	O	O	O	O	X	X	X	X	X
Human Nutrition Information Service	N	X	X	X	X	X	X	X	X	X
National Agricultural Statistics Service	N	X	X	X	X	X	X	X	X	X
Natural Resources Conservation Service	O	O	O	O	O	O	O	O	O	O
Office of International Cooperation & Development	X	X	X	X	X	X	X	X	X	X
Office of Transportation	X	X	X	X	X	X	X	X	X	N
Rural Business-Cooperative Service	N	N	N	N	N	N	N	N	N	N
Rural Development Service	N	N	N	N	N	N	N	N	N	N
Science & Education Administration	T	N	N	N	N	N	N	N	N	N
Agricultural Research Service	X	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	X	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	X	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards & Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic & Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications & Information Administration	X	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Patent & Trademark Office	X	X	X	O	O	O	O	O	O	O
United States Travel & Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Civil Functions	X	X	X	X	X	X	X	X	X	X
Department of the Army, Military Functions	X	X	X	X	X	X	X	X	X	X
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	X	O	O	O	O
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	X	O	O	O	O
RDT&E Appropriation	X	X	X	X	X	X	O	O	O	O
Special Foreign Currency Program	O	O	O	X	X	X	O	O	O	O
Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	X	O	O	O	O

See explanatory information and SOURCE at end of table

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 30–39

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Agency	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39
Department of Defense—continued										
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	X	O	O	O	O
RDT&E Appropriation	X	X	X	X	X	X	O	O	O	O
Special Foreign Currency Program	X	X	X	X	X	X	O	O	O	O
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	X	O	O	O	O
Pay & Allowances of Military Personnel in R&D	X	X	X	X	X	X	O	O	O	O
RDT&E Appropriation	X	X	X	X	X	X	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Defense Agencies	X	X	X	X	X	X	X	T	T	T
Ballistic Missile Defense Organization	O	O	O	O	O	O	O	O	O	O
Defense Advanced Research Projects Agency	O	O	O	O	O	O	O	O	O	O
Defense Information Systems Agency	O	O	O	O	O	O	O	O	O	O
Defense Logistics Agency	O	O	O	O	O	O	O	O	O	O
Defense Special Weapons Agency	O	O	O	O	O	O	O	O	O	O
Defense Threat Reduction Agency	N	N	N	N	N	N	N	N	N	N
Joint Staff	O	O	O	O	O	O	O	O	O	O
National Imagery & Mapping Agency	X	X	X	O	X	X	O	O	O	O
Special Operations Command	O	O	O	X	X	X	O	O	O	O
Uniformed Services University of the Health Sciences	O	O	O	O	O	O	O	O	O	O
Washington Headquarters Services	X	X	X	X	X	X	O	O	O	O
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Health Affairs, Assistant Secretary of Defense for	N	N	N	N	N	N	N	N	N	N
Operational Test & Evaluation, Director	N	N	N	N	N	N	X	X	X	X
Test & Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	X	X	X	X	X	X	X	X	X	X
Department of Energy	X	X	X	X	X	X	X	X	X	X
Department of Health, Education, & Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Food & Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social & Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Health & Human Services	T	T	T	T	T	T	T	T	T	T
Administration on Aging	N	N	N	N	N	N	N	N	N	N
Administration for Children & Families	N	N	N	N	N	N	N	N	N	N
Agency for Healthcare Research & Quality	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	X	X	X	X	X	X	X	X	X	X
Centers for Disease Control & Prevention	X	X	X	X	X	X	X	X	X	X
Food & Drug Administration	X	X	X	X	X	X	X	X	X	X
Health Care Financing Administration	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 30–39

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Agency	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39
Department of Health & Human Services—continued										
Health Resources Administration	X	X	N	N	N	N	N	N	N	N
Health Resources & Services Administration	N	N	X	X	X	X	X	X	X	X
Health Services Administration	X	X	N	N	N	N	N	N	N	N
Human Development Services	X	X	X	X	X	X	X	X	X	X
National Institutes of Health	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary, Planning & Evaluation	N	N	N	N	N	N	N	N	N	N
Office of Public Health & Science	N	N	N	N	N	N	N	N	N	N
Social Security Administration	X	X	X	X	X	X	X	X	X	X
Substance Abuse & Mental Health Services Administration	N	N	N	N	N	N	N	N	N	N
Department of Housing & Urban Development	X	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	O	X	N	N	N	N	N	N	N	N
Bureau of Land Management	X	X	X	X	X	X	X	X	X	X
Bureau of Mines	X	X	X	X	X	X	X	X	X	X
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation & Recreation Service	N	N	N	N	N	N	N	N	N	N
Minerals Management Service	N	N	X	X	X	X	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Surface Mining Reclamation & Enforcement	X	X	X	X	X	X	X	X	X	X
Office of Water Research & Technology	X	X	X	X	X	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
United States Fish & Wildlife Service	X	X	X	X	X	X	X	X	X	X
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries & Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	X	X
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration & Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	X	X	X	X	X	X	X	X	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship & Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	X	X	X	X	X	X	X	X	X
Employment & Training Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations & Cooperative Programs	N	N	N	N	X	X	X	X	X	X
Labor-Management Services Administration	X	X	X	X	N	N	N	N	N	N
Occupational Safety & Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	N	X	X	X	X	X	X	X	X	X
Pension & Welfare Benefits Administration	N	N	N	N	X	X	X	X	X	X
Wage & Hour Division	O	O	O	O	O	O	O	O	O	O
Post Office Department	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 30–39

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Agency	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39
Department of State	T	T	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence & Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	X	X	O	O	O	O	O	O	O	O
Peace Corps	O	O	O	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	X	X	X	X	X	X	X	X	X	X
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	X	X	X	X	X	X	X	X	O
Materials Transportation Bureau	O	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Research & Special Programs Administration	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, & Firearms	X	X	N	N	N	N	N	N	N	N
Bureau of Engraving & Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	O	O	O
Internal Revenue Service	X	X	X	X	X	X	X	X	X	X
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	N
United States Customs Service	X	X	X	X	X	X	X	X	X	X
United States Mint	O	O	O	O	X	X	X	X	X	X
United States Secret Service	X	X	X	X	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	X	X	X	X
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	X	X	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	X
Energy Research & Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	X	X	X	X	X	X	O	O	O	O
Defense Civil Preparedness Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	O	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X	X
Institute for Scientific & Technological Cooperation	O	O	O	O	O	O	O	O	O	O
Interstate Commerce Commission	X	O	O	O	O	O	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics & Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives & Records Administration	N	N	N	N	N	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 30–39

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Agency	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	X	X	O	O	O	O	O	O	O	O
Office of Science & Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	X	X	X	X	X	X	X	X	X
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	X
United States Arms Control & Disarmament Agency	X	X	X	X	X	X	X	X	X	X
United States Commission on Civil Rights	O	O	O	O	O	O	O	O	O	O
United States Information Agency	X	X	X	X	X	X	X	X	X	X
United States International Trade Commission	X	X	X	X	X	X	X	X	X	X

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 49 (see table A-2), for example, actual data were collected for FY 1999 and estimates were collected for FYs 2000 and 2001.

KEY:
N = The agency did not exist as such; therefore, no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
X = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 40–49

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Agency	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	X	X	X	X	X	N	N	N	N	N
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	X
Agricultural Research Service	X	X	X	X	X	X	X	X	X	X
Agricultural Stabilization & Conservation Service	O	O	O	O	O	N	N	N	N	N
Animal & Plant Health Inspection Service	X	X	X	X	X	X	X	X	X	X
Cooperative State Research, Education, & Extension Service	X	X	X	X	X	X	X	X	X	X
Economic Research Service	X	X	X	X	X	X	X	X	X	X
Economics, Statistics, & Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics & Statistics Service	N	N	N	N	N	N	N	N	N	N
Food Safety Inspection Service	O	O	O	O	O	O	X	X	X	X
Foreign Agricultural Service	O	O	O	X	X	X	X	X	X	X
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers & Stockyards Administration	X	X	X	X	X	X	X	X	X	X
Human Nutrition Information Service	X	X	X	X	X	N	N	N	N	N
National Agricultural Statistics Service	X	X	X	X	X	X	X	X	X	X
Natural Resources Conservation Service	O	O	O	O	O	O	O	O	O	O
Office of International Cooperation & Development	X	X	X	X	X	N	N	N	N	N
Office of Transportation	N	N	N	N	N	N	N	N	N	N
Rural Business-Cooperative Service	N	N	N	N	X	X	X	X	X	X
Rural Development Service	N	N	N	N	N	N	N	N	N	N
Science & Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards & Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic & Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications & Information Administration	X	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	O	O
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Patent & Trademark Office	O	O	O	O	O	O	O	O	O	O
United States Travel & Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Civil Functions	X	X	X	X	X	X	X	X	X	X
Department of the Army, Military Functions	X	X	X	X	X	X	X	X	X	X
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 40–49

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Agency	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49
Department of Defense—continued										
Pay & Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
DT&E Support from Operations & Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support from Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay & Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Defense Agencies	T	T	T	T	T	T	T	T	T	T
Ballistic Missile Defense Organization	X	X	X	X	X	X	X	X	X	X
Defense Advanced Research Projects Agency	X	X	X	X	X	X	X	X	X	X
Defense Information Systems Agency	X	X	X	X	X	X	X	X	X	X
Defense Logistics Agency	X	X	X	X	X	X	X	X	X	X
Defense Special Weapons Agency	X	X	X	X	X	X	X	X	O	O
Defense Threat Reduction Agency	N	N	N	N	N	N	N	N	X	X
Joint Staff	X	X	X	X	X	X	X	X	X	X
National Imagery & Mapping Agency	X	X	X	X	X	X	O	O	O	O
Special Operations Command	X	X	X	X	X	X	X	X	X	X
Uniformed Services University of the Health Sciences	X	X	X	X	X	N	N	N	N	N
Washington Headquarters Services	X	X	X	X	X	X	X	X	X	X
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Health Affairs, Assistant Secretary of Defense for	N	X	O	O	O	O	O	O	O	O
Operational Test & Evaluation, Director	X	X	X	X	X	X	X	X	X	X
Test & Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	X	X	X	X	X	X	X	X	X	X
Department of Energy	X	X	X	X	X	X	X	X	X	X
Department of Health, Education, & Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Food & Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services & Mental Health Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social & Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Health & Human Services	T	T	T	T	T	T	T	T	T	T
Administration on Aging	N	X	X	X	X	X	X	X	X	X
Administration for Children & Families	N	X	X	X	X	X	X	X	X	X
Agency for Healthcare Research & Quality	X	X	X	X	X	X	X	X	X	X
Alcohol, Drug Abuse, & Mental Health Administration	X	X	N	N	N	N	N	N	N	N
Centers for Disease Control & Prevention	X	X	X	X	X	X	X	X	X	X
Food & Drug Administration	X	X	X	X	X	X	X	X	X	X
Health Care Financing Administration	X	X	X	X	X	X	X	X	X	X

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 40–49

Agency	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49
Department of Health & Human Services—continued										
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Resources & Services Administration	X	X	X	X	X	X	X	X	X	X
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Human Development Services	X	N	N	N	N	N	N	N	N	N
National Institutes of Health	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	X	X	X	X	X	X	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	T	T	T	T
Office of the Assistant Secretary, Planning & Evaluation	N	N	N	N	N	N	X	X	X	X
Office of Public Health & Science	N	N	N	N	N	N	X	X	X	X
Social Security Administration	X	X	X	X	X	X	N	N	N	N
Substance Abuse & Mental Health Services Administration	N	N	N	N	N	N	X	X	X	X
Department of Housing & Urban Development	X	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Land Management	X	X	X	X	O	O	O	O	O	O
Bureau of Mines	X	X	X	X	X	O	N	N	N	N
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation & Recreation Service	N	N	N	N	N	N	N	N	N	N
Minerals Management Service	X	X	X	X	X	X	X	X	X	X
National Biological Service	N	N	N	X	X	X	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	O	O	O	O
Office of Surface Mining Reclamation & Enforcement	X	X	X	X	X	O	O	O	O	O
Office of Water Research & Technology	N	N	N	N	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
United States Fish & Wildlife Service	X	X	X	X	O	O	O	O	O	O
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries & Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	O	O
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration & Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	O	O	O	O	O	O	O	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship & Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	O	O	O	O	O	O	O	O	O
Employment & Training Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations & Cooperative Programs	N	N	N	N	N	N	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N	N
Occupational Safety & Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	X	X	X	X	X	X	X	X	X	X
Pension & Welfare Benefits Administration	X	X	X	X	X	X	X	X	X	X
Wage & Hour Division	O	O	O	O	O	O	O	O	O	O
Post Office Department	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 40–49

Agency	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49
Department of State	X	X	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence & Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	O	O	O	O	O	O	O	O	O	O
Peace Corps	O	O	O	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	X	X	X	X	X	X	X	X	X	X
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	X	N	N	N	N	N
Maritime Administration	X	X	X	X	X	X	O	O	O	O
Materials Transportation Bureau	O	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Research & Special Programs Administration	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, & Firearms	N	N	N	N	N	N	N	N	N	N
Bureau of Engraving & Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	O	X	X	X	O	O	O	O	O	O
Internal Revenue Service	X	X	X	X	X	X	X	X	X	X
Office of Thrift Supervision	O	X	X	X	X	X	X	X	X	X
United States Customs Service	X	X	X	X	X	X	X	X	X	X
United States Mint	X	X	X	X	X	X	X	X	X	X
United States Secret Service	X	X	X	X	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	N	N	N	N
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	O
Energy Research & Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	O	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention & Control Administration	O	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X	X
Institute for Scientific & Technological Cooperation	O	O	O	O	O	O	O	O	O	O
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics & Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives & Records Administration	X	X	X	X	X	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 40–49

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Agency	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44	Vol 45	Vol 46	Vol 47	Vol 48	Vol 49
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	O	O	O	O	O	O	O	O	O	O
Office of Science & Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	N	N	N	N	N	N	N	N	N
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	X	X	X	X
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	O
United States Arms Control & Disarmament Agency	X	X	X	X	X	X	X	X	X	O
United States Commission on Civil Rights	O	O	O	O	O	O	O	O	O	O
United States Information Agency	X	X	X	X	X	X	X	X	X	X
United States International Trade Commission	X	X	X	X	X	X	X	X	X	X

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the fiscal year and the budget year. For Volume 48, for example, actual data were collected for FY 1998 and estimates were collected for FYs 1999 and 2000.

KEY:
N = The agency did not exist as such; therefore, no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
X = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

APPENDIX B.

NOTES ASSOCIATED WITH AGENCIES INCLUDED IN THIS SURVEY, OF FEDERAL FUNDS FOR RESEARCH AND DEVELOPMENT: VOLUMES 30 TO 49

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

Department of Agriculture	
Agricultural Cooperative Service	
Agricultural Marketing Service	Although the Agricultural Marketing Service was established in April 1972, fiscal year 1979 was the first year in which Congress appropriated funds to this agency.
	Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
Agricultural Research Service	The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
Agricultural Stabilization & Conservation Service	The Agricultural Stabilization & Conservation Service was abolished as of Oct. 20, 1994.
Animal & Plant Health Inspection Service	
Cooperative State Research, Education, & Extension Service	The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
Economic Research Service	
Economics, Statistics, & Cooperative Service	Data reported for the Economics, Statistics, & Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977–1979.
Economics & Statistics Service	Data reported for the Economics & Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.
Food Safety Inspection Service	
Foreign Agricultural Service	The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
Forest Service	
Grain Inspection Packers & Stockyards Administration	The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
Human Nutrition Information Service	The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
National Agricultural Statistics Service	
Office of International Cooperation & Development	The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
Office of Transportation	
Rural Business-Cooperative Service	This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
Science & Education Administration	
Agricultural Research Service	
Cooperative State Research Service	

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

Department of Commerce	
Bureau of the Census	
Economic Development Administration	
Maritime Administration	In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.
Minority Business Development Agency	
National Fire Prevention & Control Administration	Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.
National Institute of Standards & Technology	
National Oceanic & Atmospheric Administration	
National Telecommunications & Information Administration	
Office of the Secretary	
Patent & Trademark Office	
Department of Defense	Beginning with Volume 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "university and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching. Beginning with Volume 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, geographic tables show only total development. Not all Department of Defense (DoD) agencies with development obligations are able to categorize them according to the advanced technology and major systems development breakdown. Therefore, in the Volume 46 survey cycle, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.
Department of the Army, Military Functions	
Department of the Army, Civil Functions	The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
Department of the Navy	
Department of the Air Force	
Defense Agencies	
Ballistic Missile Defense Organization	
Defense Advanced Research Projects Agency	This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
Defense Information Systems Agency	
Defense Logistics Agency	
Defense Special Weapons Agency	The Defense Nuclear Agency was renamed the Defense Special Weapons Agency in 1996, as a result of a new charter and an expanded mission.
Defense Threat Reduction Agency	The Defense Threat Reduction Agency (DTRA) was established on October 1, 1998. DTRA was formed through a merger of elements of the Office of the Secretary of Defense staff, the Defense Technology Security Administration, the Defense Special Weapons Agency, and the On-Site Inspection Agency.
Joint Staff	The name of this agency changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.
National Imagery & Mapping Agency	The Defense Mapping Agency merged with the newly created National Imagery & Mapping Agency on October 1, 1996.
Special Operations Command	
Uniformed Services University of the Health Sciences	Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

Washington Headquarters Services	Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45. Public Law No. 103-160, Section 1703 makes the Office of the Secretary of Defense responsible for the Chemical and Biological Defense Program (CBDP). Section 1701 requires the creation of CBDP research, development, test, and evaluation program elements established in the fiscal years 1996-1997 President's Budget. Data for these new program elements are included in the Federal funds survey as of Vol. 46. Washington Headquarters Services' basic research data were revised in Volume 47 to reflect changes that were not incorporated in Volume 46.
Defense Civil Preparedness Agency	Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.
Health Affairs, Assistant Secretary of Defense for	
Operational Test & Evaluation, Director	
Test & Evaluation, Deputy Under Secretary of Defense	On June 7, 1999, the Secretary of Defense approved the disestablishment of the Office of the Director, Test, Systems Engineering and Evaluation (DTSE&E). As a result of the restructure, the Director, Operational Test and Evaluation (DOT&E), has assumed management responsibility for the Central Test and Evaluation Investment Program (CTEIP) and the Test and Evaluation (T&E) Program, excluding the Joint Test and Evaluation (JTE) Program.
Department of Education	The 1983 Budget of the United States Government proposed that the Department of Education be replaced by the Foundation for Educational Assistance.
Department of Energy	In 1977 the Energy Research & Development Administration became part of the Department of Energy. In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.
Department of Health, Education, & Welfare	
Alcohol, Drug Abuse, & Mental Health Administration	
Center for Disease Control	
Food & Drug Administration	
Health Care Financing Administration	
Health Resources Administration	
Health Services Administration	
National Institute of Education	
National Institutes of Health	
Office of Assistant Secretary for Education	
Office of the Assistant Secretary for Health	
Office of Education	
Office of Human Development Services	
Office of the Secretary	
Social Security Administration	
Department of Health & Human Services	
Administration on Aging	In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
Administration for Children & Families	Obligations reported for the Administration for Children & Families may be incomplete for fiscal year 1992 due to unavailability of data. In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

Agency for Healthcare Research & Quality	In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.
Alcohol, Drug Abuse, & Mental Health Administration	Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.
Centers for Disease Control & Prevention	
Food & Drug Administration	
Health Care Financing Administration	
Health Resources Administration	
Health Resources & Services Administration	
Health Services Administration	
Human Development Services	In fiscal year 1991 Human Development Services was replaced by the Administration for Children & Families (ACF) and by the Administration on Aging (AoA). Beginning in fiscal year 1992, data shown for the ACF are separate from obligations for the AoA.
National Institutes of Health	Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.
Office of the Assistant Secretary for Health	In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health. As of fiscal year 1996, the Office of the Assistant Secretary for Health (OASH) merged with the Office of the Secretary (OS). The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science (OPHS), a new division within OS.
Office of the Secretary	As of fiscal year 1996, the Office of the Assistant Secretary for Health (OASH) merged with the Office of the Secretary (OS). The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science (OPHS), a new division within OS.
Office of the Assistant Secretary, Planning & Evaluation	
Office of Public Health & Science	As of fiscal year 1996, the Office of the Assistant Secretary for Health (OASH) merged with the Office of the Secretary (OS). The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science (OPHS), a new division within OS.
Social Security Administration	As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
Substance Abuse & Mental Health Services Administration	Data for fiscal years 1998-2000 from the Substance Abuse & Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.
Department of Housing & Urban Development	
Department of the Interior	
Bonneville Power Administration	In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.
Bureau of Land Management	
Bureau of Mines	In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

Bureau of Reclamation	
Geological Survey	As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey. As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
Minerals Management Service	
National Biological Service	The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service. As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
National Park Service	The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
Office of the Secretary	The Department of Interior's Office of the Secretary has not funded any R&D activities since fiscal year 1995.
Office of Surface Mining Reclamation & Enforcement	
Office of Water Research & Technology	As of 1985 the Office of Water Research & Technology has been combined with the Geological Survey.
United States Fish & Wildlife Service	The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
Department of Justice	
Bureau of Prisons	The Bureau of Prisons was formerly listed as the Federal Prison System.
Drug Enforcement Administration	Large differences exist between the Drug Enforcement Administration's fiscal years 1996 and 1997 R&D funding amounts due to changes in this agency's R&D programs.
Federal Bureau of Investigation	
Immigration & Naturalization Service	Fiscal years 1997-1999 figures for the Immigration and Naturalization Service are based on the agency's Volume 46 submission.
Office of Justice Programs	
Office of Legal Policy	
Department of Labor	
Bureau of Labor Statistics	
Employment Standards Administration	
Employment & Training Administration	
Labor-Management Relations & Cooperative Programs	In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.
Labor-Management Services Administration	In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations & Cooperative Programs.
Occupational Safety & Health Administration	
Office of the Secretary	
Pension Benefit Guaranty Corporation	
Pension & Welfare Benefits Administration	
Wage & Hour Division	

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

Department of State	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979. Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
Agency for International Development	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.
Departmental Funds	
Department of Transportation	
Coast Guard	
Federal Aviation Administration	
Federal Highway Administration	
Federal Railroad Administration	
Federal Transit Administration	The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on Dec. 18, 1991.
Maritime Administration	In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation. Beginning with fiscal year 1996, the Maritime Administration has had no directly appropriated funding for research and development activities.
National Highway Traffic Safety Administration	
Office of the Secretary	
Research & Special Programs Administration	
Department of the Treasury	
Bureau of Alcohol, Tobacco, & Firearms	
Bureau of Engraving & Printing	
Financial Crimes Enforcement Network	
Internal Revenue Service	Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to shifts in research funding.
Office of Thrift Supervision	In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
United States Customs Service	Fiscal years 1997-1999 figures for the United States Customs Service are estimates based on the agency's Volume 46 submission.
United States Mint	
United States Secret Service	The United States Secret Service was formerly listed as the Office of Protective Research.
Department of Veterans Affairs	
Other agencies	
ACTION	
Advisory Commission on Intergovernmental Relations	
Appalachian Regional Commission	
Community Services Administration	
Consumer Product Safety Commission	
Environmental Protection Agency	
Federal Communications Commission	
Federal Emergency Management Agency	Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on July 20, 1979.
National Fire Prevention & Control Administration	Functions for the National Fire Prevention & Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of Apr. 1, 1979.
Federal Trade Commission	
General Services Administration	As of 1985 the National Archives & Records Administration is separate from the General Services Administration.

See explanatory information and SOURCE at end of table.

Table B. Notes associated with agencies included in the Survey of Federal Funds for Research and Development: Volumes 30-49

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International Development Cooperation Agency	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on Oct. 1, 1979.
Agency for International Development	Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers. Since the experimental New Management System, which is an integrated system containing the Agency for International Development's (AID) budget and accounting records, does not contain codes for determining either fields of science and engineering or performer data, the National Science Foundation has estimated these data based on AID's Budget Authority (fiscal years 1996-1998) and AID's Federal Funds Survey submission to Vol. 44 (fiscal years 1994-1996). More accurate data for AID will be reported in future volumes of this survey.
Institute for Scientific & Technological Cooperation	
Interstate Commerce Commission	
Library of Congress	
National Aeronautics & Space Administration	During the Volume 45 survey cycle, the National Aeronautics and Space Administration made a statistical adjustment to the 1994 and 1995 field of science and engineering values to diminish a computational error introduced by its software.
National Archives & Records Administration	As of 1985 the National Archives & Records Administration is separate from the General Services Administration.
National Science Foundation	The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the fiscal year 1996 field of science data (such as mechanical engineering). These changes are reflected in the historical data tables.
Nuclear Regulatory Commission	
Office of Personnel Management	
Office of Thrift Supervision	In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
Smithsonian Institution	
Social Security Administration	As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
Tennessee Valley Authority	During the Volume 47 survey cycle, the Tennessee Valley Authority (TVA) made adjustments to its 1996, 1997, 1998, and 1999 research and development (R&D) values to correct reporting errors. In recent years, most of the funds TVA has reported have been those invested by TVA's Office of Power, rather than congressionally appropriated funds. In addition, a substantial amount of congressionally appropriated funds earmarked for environmental compliance and site restoration were erroneously reported as R&D in past years. TVA has determined that these funds do not meet the criteria for classification as R&D spending. Some trend shifts are related to these adjustments, since TVA can only make revisions as far back as 1996.
United States Arms Control & Disarmament Agency	Fiscal year 1994 figures for the United States Arms Control & Disarmament Agency are estimates based on the agency's Vol. 43 submission. Effective April 1, 1999, all functions and authorities of the United States Arms Control & Disarmament Agency were transferred to the Department of State.
United States Information Agency	Data reported for the United States Information Agency include funds for the former International Communication Agency for fiscal years 1977–1981.
United States International Trade Commission	

SOURCE: National Science Foundation/Division of Science Resources Studies, Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001

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